NACOmatic

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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ALTON/ST.LOUIS, IL

ST. LOUIS RGNL ..... **ILS or LOC Rwy 29[1]**
LOC BC Rwy 11[1]
NDB Rwy 17[2]
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 29
RNAV (GPS) Rwy 35
VOR-A

NA when local weather not available.
[1]NA when control tower closed.
[2]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.

ANTIGO, WI

LANGLADE COUNTY ..... **NDB Rwy 16[1]**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34

NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.

APPLETON, WI

OUTAGAMIE COUNTY RGNL ..... **ILS or LOC Rwy 3[12]**
ILS Rwy 29[13]
RNAV (GPS) Rwy 3[2]
RNAV (GPS) Rwy 21[2]
VOR/DME Rwy 21[2]

[1]NA when control tower closed.
[2]NA when local weather not available.
[3]LOC, NA.

ASHLAND, WI

JOHN F. KENNEDY MEMORIAL ..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 31
VOR Rwy 2[1]
VOR Rwy 31

NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

BARABOO, WI

BARABOO WISCONSIN DELLS ..... **RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
VOR-A

NA when local weather not available.

BELLEVILLE, IL

SCOTT AFB/ MIDAMERICA ..... **ILS or LOC/DME Rwy 14L[1]**
ILS or LOC Rwy 14R[12]
ILS Rwy 32L[23]
ILS or LOC Rwy 32R[1]

[1]ILS,Category C, 700-2; Category D, 800-2½; Category E, 800-2¾. LOC, Category D, 800-2½; Category E, 800-2¾.
[2]NA when control tower closed.
[3]ILS, Category D, 800-2¼; Category E, 800-2¾. LOC, Category E, 800-2¾.

BLOOMINGTON, IL

CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL **ILS or LOC Rwy 20[12]**
ILS or LOC Rwy 29[1]
ILS or LOC/DME Rwy 2[12]
LOC BC Rwy 11
RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 29

NA when local weather not available.
[1]ILS, Category D, 700-2.
[2]NA when control tower closed.

BOSCOBEL, WI

BOSCOBEL ..... **RNAV (GPS) Rwy 7[1]**
RNAV (GPS) Rwy 25[1]
VOR/DME Rwy 25[2]

NA when local weather not available.
[1]Categories A,B, 900-2; Category C, 1000-2¾.
[2]Categories A,B,1000-2; Category C, 1000-2¾.

NAME ALTERNATE MINIMUMS

BURLINGTON, WI

BURLINGTON MUNI ..... **RNAV (GPS) Rwy 29**
VOR Rwy 29[1]
NA when local weather not available.
[1]Category D, 800-2¼.

CAHOKIA/ST. LOUIS, IL

ST. LOUIS
DOWNTOWN ..... **ILS or LOC Rwy 30L[123]**
RNAV (GPS) Rwy 12R[34]
[1]NA when control tower closed.
[2]ILS, Category D, 700-2.
[3]NA when local weather not available.
[4]Category D, 800-2¼.

CARBONDALE-MURPHYSBORO, IL

SOUTHERN ILLINOIS ..... **ILS Rwy 18L**
NDB or GPS Rwy 18L
NA when control tower closed.

CHAMPAIGN-URBANA, IL

UNIVERSITY OF ILLINOIS-
WILLARD ..... **ILS or LOC Rwy 32R[12]**
LOC BC Rwy 14L[1]
RADAR-1[1]
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 32R[2]
VOR Rwy 4[2]
VOR/DME Rwy 14L[2]
[1]NA when control tower closed.
[2]NA when local weather not available.

CHICAGO, IL

CHICAGO O'HARE INTL ... **ILS or LOC Rwy 9L**
ILS or LOC Rwy 9R
ILS,LOC,Categories A, B, 1100-2; Categories C, D, 1100-3.

LANSING MUNI ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
RNAV (GPS) Rwy 36
NA when local weather not available.

CHICAGO(WEST CHICAGO), IL

DUPAGE ..... **RNAV (GPS) Rwy 20R**
NA when local weather not available.

CHICAGO/AURORA,IL

AURORA MUNI ..... **ILS or LOC Rwy 9[1]**
ILS or LOC Rwy 33[12]
RNAV (GPS) Rwy 9[1]
RNAV (GPS) Rwy 33[2]
[1]NA when control tower closed.
[2]NA when local weather not available.
[3]ILS, Categories A,B,C,D, 700-2.

NAME ALTERNATE MINIMUMS

CHICAGO/PROSPECT HEIGHTS/ WHEELING, IL

CHICAGO EXECUTIVE ..... **ILS or LOC Rwy 16**
RNAV (GPS) Rwy 16
NA when local weather not available.

CHICAGO/ROMEOVILLE, IL

LEWIS UNIVERSITY ..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 27
VOR Rwy 9
NA when local weather not available.
Category D, 800-2½.

CHICAGO/WAUKEGAN, IL

WAUKEGAN RGNL ..... **ILS Rwy 23**
NA when control tower closed.

CLINTONVILLE, WI

CLINTONVILLE MUNI ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 32
NA when local weather not available.

DANVILLE, IL

VERMILION RGNL ..... **ILS or LOC Rwy 21**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 34
VOR/DME Rwy 3
VOR Rwy 21
NA when local weather not available.

DE KALB, IL

DE KALB TAYLOR MUNI .. **ILS or LOC Rwy 2[1]**
RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 27
NA when local weather not available.
[1]Categories C,D, 700-2.

DECATUR, IL

DECATUR ..... **ILS Rwy 6[1]**
LOC BC Rwy 24[1]
RNAV (GPS) Rwy 6[2]
RNAV (GPS) Rwy 18[2]
RNAV (GPS) Rwy 24[2]
RNAV (GPS) Rwy 36[2]
VOR Rwy 36[1]
[1]NA when control tower closed.
[2]NA when local weather not available.

NAME ALTERNATE MINIMUMS

EAGLE RIVER, WI

EAGLE RIVER UNION ..... **NDB Rwy 22[1]**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
NA when local weather not available.
[1]Category C, 800-2¼,Category D, 800-2½.

EAU CLAIRE, WI

CHIPPEWA VALLEY
RGNL ..... **ILS or LOC Rwy 22[12]**
RNAV (GPS) Rwy 22[12]
VOR-A[23]
[1]Category D, 800-2½.
[2]NA when local weather not available.
[3]Categories A, B, 900-2; Category C, 900-2½; Category D, 1000-3.

EFFINGHAM, IL

EFFINGHAM COUNTY
MEMORIAL ..... **VOR or GPS Rwy 1**
Category D, 800-2¼.

FAIRFIELD, IL

FAIRFIELD MUNI ..... **RNAV (GPS) Rwy 9**
NA when local weather not available.

FLORA, IL

FLORA MUNI ..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21
NA when local weather not available.

FOND DU LAC, WI

FOND DU LAC
COUNTY ..... **RNAV (GPS) Rwy 36**
NA when local weather not available.

FREEPORT, IL

ALBERTUS ..... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
VOR Rwy 24
NA when local weather not available.

GREEN BAY, WI

AUSTIN STRAUBEL INTL .... **ILS or LOC Rwy 6**
LOC BC Rwy 24
RADAR-1
NA when control tower closed.

HARRISBURG, IL

HARRISBURG-RALEIGH ... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.

NAME ALTERNATE MINIMUMS

HAYWARD, WI

SAWYER COUNTY ..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.
Category C, 800-2¼; Category D, 1000-3.

JACKSONVILLE, IL

JACKSONVILLE MUNI ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
VOR Rwy 13
NA when local weather not available.

JANESVILLE, WI

SOUTHERN WISCONSIN
RGNL ..... **ILS or LOC Rwy 4[1]**
ILS or LOC Rwy 32[23]
NA when control tower closed.
[1]ILS,Category D, 700-2.
[2]ILS, LOC, Categories A,B, 1100-2; Categories C,D, 1100-3.
[3]NA when local weather not available.

JUNEAU, WI

DODGE COUNTY ..... **LOC Rwy 26**
NDB Rwy 2
NDB Rwy 20
RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 8
RANV (GPS) Rwy 20
RNAV (GPS) Rwy 26
NA when local weather not available.

KANKAKEE, IL

GREATER KANKAKEE ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 34
VOR Rwy 4
VOR Rwy 22
NA when local weather not available.

KENOSHA, WI

KENOSHA RGNL ..... **ILS or LOC Rwy 7L[1]**
RNAV (GPS) Rwy 7L
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 25R
RNAV (GPS) Rwy 33
VOR Rwy 15
VOR Rwy 25R
NA when local weather not available.
[1]NA when control tower closed.

NAME ALTERNATE MINIMUMS

LA CROSSE, WI

LA CROSSE MUNI ..... **ILS or LOC Rwy 18[14]**
NDB Rwy 18[35]
RNAV (GPS) Rwy 3[23]
RNAV (GPS) Rwy 13[34]
RNAV (GPS) Rwy 18[34]
RNAV (GPS) Rwy 21[35]
RNAV (GPS) Rwy 31[36]
RNAV (GPS) Rwy 36[34]
VOR Rwy 13[34]
VOR Rwy 36[14]

[1]NA when control tower closed.
[2]Categories A,B, 1100-2; Category C, 1100-3; Category D, 1200-3.
[3]NA when local weather not available.
[4]Category C, 800-2¼; Category D, 1200-3.
[5]Categories A,B, 1200-2; Categories C,D, 1200-3.
[6]Categories A,B, 1000-2; Category C, 1000-3; Category D, 1200-3.

LAND O'LAKES, WI

KING'S LAND O'LAKES .... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

LAWRENCEVILLE, IL

LAWRENCEVILLE-VINCENNES INTL ..... **VOR Rwy 36**

Category D, 800-2¼.

LINCOLN, IL

LOGAN COUNTY ..... **NDB Rwy 21[1]**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
VOR Rwy 3

NA when local weather not available.
[1]Category C, 800-2¼, Category D, 800-2½.

LITCHFIELD, IL

LITCHFIELD MUNI ..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36

NA when local weather not available.

LONE ROCK, WI

TRI-COUNTY RGNL ..... **RNAV (GPS) Rwy 9[1]**
RNAV (GPS) Rwy 27[1]
VOR-A[2]

NA when local weather not available.
[1]Categories A,B, 900-2; Category C, 900-2¼.
[2]Categories A,B, 1000-2; Category C 1000-2¾.

MACOMB, IL

MACOMB MUNI ..... **LOC Rwy 27[1]**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR/DME-A

NA when local weather not available.

NAME ALTERNATE MINIMUMS

MADISON, WI

DANE COUNTY RGNL-TRUAX FIELD ..... **ILS or LOC Rwy 21[1]**
ILS or LOC/DME Rwy 18[12]
ILS or LOC/DME Rwy 36[12]
RADAR-1[13]
VOR/DME or TACAN Rwy 14[3]
VOR/DME or TACAN Rwy 18[3]
VOR/DME or TACAN Rwy 32[4]
VOR Rwy 21[5]

[1]NA when control tower closed.
[2]ILS, LOC, Category E, 900-3.
[3]Category E, 800-2¾.
[4]Category E, 800-3.
[5]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.

MANITOWOC, WI

MANITOWOC COUNTY ... **ILS or LOC Rwy 17[1]**
RNAV (GPS) Rwy 17[1]
RNAV (GPS) Rwy 35[1]
VOR Rwy 17
VOR/DME Rwy 35[1]

Category D, 800-2½.
[1]NA when local weather not available.

MARION, IL

WILLIAMSON COUNTY RGNL ..... **ILS or LOC Rwy 20[1]**
NDB Rwy 20
RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20
VOR Rwy 2
VOR Rwy 20[2]

NA when local weather not available.
[1]NA when control tower closed.
[2]Category C, 800-2¼; Category D, 800-2½.

MARSHFIELD, WI

MARSHFIELD MUNI ..... **NDB or GPS Rwy 4[1]**
NDB Rwy 16[1]
RNAV (GPS) Rwy 16[2]
RNAV (GPS) Rwy 34[2]

[1]NA except for operators with approved weather reporting service.
[2]NA when local weather not available.

MATTOON/CHARLESTON, IL

COLES COUNTY MEMORIAL ..... **ILS or LOC Rwy 29**
NDB Rwy 29
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 29
VOR Rwy 6
VOR Rwy 24

NA when local weather not available.

NAME ALTERNATE MINIMUMS

MEDFORD, WI

TAYLOR COUNTY ..... **RNAV (GPS) Rwy 27**
NA when local weather not available.

MENOMONIE, WI

MENOMONIE MUNI-SCORE FIELD ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
VOR/DME Rwy 27
NA when local weather not available.

MERRILL, WI

MERRILL MUNI ..... **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

MILWAUKEE, WI

LAWRENCE J. TIMMERMAN ..... **LOC Rwy 15L**
VOR or GPS Rwy 4L
VOR or GPS Rwy 15L
NA when control tower closed.

MINOCQUA-WOODRUFF, WI

LAKELAND/NOBLE F. LEE MEMORIAL FIELD ..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 28
RNAV (GPS) Rwy 36
NA when local weather not available.

MOLINE, IL

QUAD-CITY INTL ..... **ILS or LOC Rwy 9[1]**
ILS or LOC Rwy 27[123]
RNAV (GPS) Rwy 13[3]
RNAV (GPS) Rwy 31[3]
[1]NA when control tower closed.
[2]ILS, Category D, 700-2.
[3]NA when local weather not available.

MONROE, WI

MONROE MUNI ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
VOR/DME Rwy 30
NA when local weather not available.

MORRIS, IL

MORRIS MUNI-JAMES R WASHBURN FIELD ..... **RNAV (GPS) Rwy 36**
NA when local weather not available.

MOSINEE, WI

CENTRAL WISCONSIN ..... **ILS or LOC Rwy 8[1]**
ILS or LOC Rwy 35
NA when control tower closed.
[1]NA when local weather not available.

NAME ALTERNATE MINIMUMS

MOUNT VERNON, IL

MOUNT VERNON ..... **ILS Rwy 23[12]**
RNAV (GPS) Rwy 5[3]
RNAV (GPS) Rwy 23[3]
[1]NA between 2000-0630 local time.
[2]ILS, Category D, 700-2.
[3]NA when local weather not available.

NEW RICHMOND, WI

NEW RICHMOND RGNL . **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.

OSCEOLA, WI

L O SIMENSTAD MUNI .... **RNAV (GPS) Rwy 28**
NA when local weather not available.

OSHKOSH, WI

WITTMAN RGNL ..... **ILS or LOC Rwy 36[1]**
LOC/DME BC Rwy 18[1]
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 18[2]
RNAV (GPS) Rwy 27[2]
RNAV (GPS) RWY 36[1]
VOR Rwy 9[2]
VOR Rwy 18[23]
[1]NA when control tower closed.
[2]NA when local weather not available.
[3]Category D, 800-2¼.

PARIS, IL

EDGAR COUNTY ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA when local weather not available.

PEORIA, IL

GREATER PEORIA RGNL ..... **ILS or LOC Rwy 4**
ILS or LOC Rwy 31
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
VOR or TACAN Rwy 31
NA when local weather not available.

PERU, IL

ILLINOIS VALLEY RGNL-WALTER A. DUNCAN FIELD ..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.

PHILLIPS, WI

PRICE COUNTY ..... **RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.

NAME ALTERNATE MINIMUMS

PLATTEVILLE, WI

PLATTEVILLE MUNI ..... **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 33

NA when local weather not available.

PONTIAC, IL

PONTIAC MUNI ..... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
VOR Rwy 24

NA when local weather not available.

PRAIRIE DU CHIEN, WI

PRAIRIE DU CHIEN MUNI .. **VOR/DME Rwy 29**

Category A/B 1000-2, Category C/D 1200-3.

QUINCY, IL

QUINCY RGNL-
BALDWIN FIELD ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 36
VOR Rwy 4
VOR/DME Rwy 22

NA when local weather not available.

RANTOUL, IL

RANTOUL NATL AVN CNTR/
FRANK ELLIOTT FLD ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27

NA when local weather not available.

RICE LAKE, WI

RICE LAKE REGIONAL-
CARL'S FIELD ..... **ILS or LOC Rwy 1[1]**
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19
VOR Rwy 1
VOR/DME Rwy 19

NA when local weather not available.

[1]ILS, Category D, 700-2.

SHEBOYGAN, WI

SHEBOYGAN COUNTY
MEMORIAL ..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 31
VOR Rwy 3[1]
VOR Rwy 21

NA when local weather not available.

[1]Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.

NAME ALTERNATE MINIMUMS

SPARTA, IL

SPARTA COMMUNITY-
HUNTER FIELD ..... **RNAV (GPS) Rwy 36**

NA when local weather not available.

SPRINGFIELD, IL

ABRAHAM LINCOLN
CAPITAL ..... **ILS or LOC Rwy 4[12]**
ILS or LOC Rwy 22[12]
RADAR-1[23]
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
VOR/DME Rwy 22

NA when local weather n ot available.

[1]ILS, Category D, 700-2.

[2]NA when control tower closed.

[3]Category E, 800-2¾.

STERLING-ROCKFALLS, IL

WHITESIDE CO-
JOS H BITTORF FIELD ..... **NDB Rwy 7**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

STEVENS POINT, WI

STEVENS POINT
MUNI ..... **RNAV (GPS) Rwy 3[1]**
RNAV (GPS) Rwy 21[1]
VOR/DME Rwy 3[1]
VOR/DME Rwy 21[1]
VOR or GPS Rwy 30

Category D, 800-2¼.

[1]NA when local weather not available.

STURGEON BAY, WI

DOOR COUNTY
CHERRYLAND ..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20

NA when local weather not available.

TAYLORVILLE, IL

TAYLORVILLE MUNI ..... **NDB Rwy 18**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

TOMAHAWK, WI

TOMAHAWK RGNL ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27

NA when local weather not available.

NAME ALTERNATE MINIMUMS

WATERTOWN, WI

WATERTOWN MUNI ..... **RNAV (GPS) Rwy 5[12]**
RNAV (GPS) Rwy 11[13]
RNAV (GPS) Rwy 23[12]
RNAV (GPS) Rwy 29[12]
VOR/DME Rwy 29[2]

[1]NA when local weather not available.
[2]Category D, 900-3.
[3]Categories A, B, 900-2; Category C, 900-2¼; Category D, 900-3.

WAUKESHA, WI

WAUKESHA COUNTY .... **ILS or LOC Rwy 10[12]**
RNAV (GPS) Rwy 10[13]
RNAV (GPS) Rwy 28[13]
VOR-A[13]

[1]NA when local weather not available.
[2]ILS, Category C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.

WAUPACA, WI

WAUPACA MUNI ..... **RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28

NA when local weather not available.

WAUSAU, WI

WAUSAU DOWNTOWN ... **RNAV (GPS) Rwy 12**

NA when local weather not available.

CHAMPAIGN/URBANA, IL Amdt. 6A, OCT 28, 2002 (FAA) ELEV **754**

UNIVERSITY OF ILLINOIS-WILLARD

RADAR - 316°-135° 121.35 285.65 136°-315° 132.85 291.0 A

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	14L	ABC	**1100**-1	346	(400-1)	D	**1100**-1¼	346	(400-1¼)
	32R	ABC	**1100**/24	351	(400-½)	D	**1100**/50	351	(400-1)
CIRCLING		A	**1160**-1	406	(500-1)	B	**1220**-1	466	(500-1)
		C	**1220**-1½	466	(500-1½)	D	**1320**-2	566	(600-2)

When control tower closed, ASR not authorized.
Category D S-32R visibility increased to RVR 6000 for inoperative MALSR.

CHICAGO/ROCKFORD, IL Amdt. 10A, DEC 21,2006 (FAA) ELEV **742**

CHICAGO/ ROCKFORD INTL

RADAR - 121.0 327.0

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	1	AB	**1160**/24	431	(500-½)	C	**1160**/40	431	(500-¾)
		D	**1160**/50	431	(500-1)				
	7	AB	**1180**/24	438	(500-½)	C	**1180**/40	438	(500-¾)
		D	**1180**/50	438	(500-1)				
	25	AB	**1220**-1	485	(500-1)	C	**1220**-1¼	485	(500-1¼)
		D	**1220**-1½	485	(500-1½)				
CIRCLING		A	**1220**-1	478	(500-1)	b	**1240**-1	498	(500-1)
		C	**1240**-1½	498	(500-1½)	D	**1320**-2	578	(600-2)

GREEN BAY, WI Amdt. 9C, JUL 6, 2006 (FAA) ELEV **695**

AUSTIN STRAUBEL INTL

RADAR - 119.4 338.2 V A

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	36	AB	**1100**/24	418	(500-½)	C	**1100**/40	418	(500-¾)
		D	**1100**/50	418	(500-1)				
	24	AB	**1120**-1	438	(500-1)	C	**1120**-1¼	438	(500-1¼)
		D	**1120**-1½	438	(500-1½)				
	18	AB	**1220**-1	525	(600-1)	C	**1220**-1½	525	(600-1½)
		D	**1220**-1¾	525	(600-1¾)				
	6	AB	**1220**/24	528	(600-½)	C	**1220**/50	528	(600-1)
		D	**1220**/60	528	(600-1¼)				
CIRCLING		AB	**1220**-1	525	(600-1)	C	**1220**-1½	525	(600-1½)
		D	**1260**-2	565	(600-2)				

For inoperative MALSR, increase ASR S-36 Category D visibility to RVR 6000.
When control tower closed, ASR not authorized.

MADISON, WI

Amdt. 17, MAR 17, 2005 (FAA) ELEV **887**

DANE COUNTY RGNL-TRUAX FIELD

RADAR - 135.45 343.7

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	21	AB	**1360**-½	473	(500-½)	C	**1360**-¾	473	(500-¾)
		D	**1360**-1	473	(500-1)	E	**1360**-1¼	473	(500-1¼)
	36	AB	**1360**/24	498	(500-½)	C	**1360**/50	498	(500-1)
		D	**1360**/60	498	(500-1¼)	E	**1360**/1½	498	(500-1½)
	14	AB	**1360**-1	499	(500-1)	C	**1360**-1¼	499	(500-1¼)
		D	**1360**-1½	499	(500-1½)	E	**1360**-1¾	499	(500-1¾)
	18	AB	**1360**/24	500	(600-½)	C	**1360**/40	500	(600-¾)
		D	**1360**/50	500	(600-1)	E	**1360**/60	500	(600-1¼)
	32	AB	**1440**-1	579	(600-1)	C	**1440**-1½	579	(600-1½)
		D	**1440**-1¾	579	(600-1¾)	E	**1440**-2	579	(600-2)
CIRCLING		A	**1440**-1	553	(600-1)	B	**1460**-1	573	(600-1)
		C	**1460**-1½	573	(600-1½)	D	**1460**-2	573	(600-2)
		E	**1680**-2¾	793	(800-2¾)				

When control tower closed, ASR procedures not authorized.

SPRINGFIELD, IL

Amdt. 9, OCT 27,2005 (FAA) ELEV **597**

ABRAHAM LINCOLN CAPITAL

RADAR - 118.6 323.0

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	22	ABC	**960**-½	363	(400-½)	DE	**960**-1	363	(400-1)
	31	AB	**1240**-½	650	(700-1)	C	**1240**-1¼	650	(700-1¼)
		D	**1240**-1½	650	(700-1½)	E	**1240**-1¾	650	(700-1¾)
	4	ABC	**960**/24	368	(400-½)	DE	**960**/50	368	(400-1)
CIRCLING		AB	**1240**-1	643	(700-1)	C	**1240**-1¾	643	(700-1¾)
		D	**1240**-2	643	(700-2)	E	**1380**-2¾	783	(800-2¾)

If local altimeter setting not received, use Logan County altimeter setting and increase all MDAs 60 feet.
For inoperative MALSR; increase S-4 categories D and E visibility to 6000; increase S-22 categories D and E visibility to 1¼; increase S-31 category E visibilty to 2¼.
When control tower closed, ASR not authorized.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

ALTON/ST. LOUIS, IL

ST. LOUIS RGNL (ALN)
ORIG 05300 (FAA)

NOTE: **Rwy 11,** tree 1876' from departure end of runway, 834' left of centerline, 65' AGL/ 575' MSL, light pole 1067' from departure end of runway, 667' left of centerline, 25' AGL/554' MSL. **Rwy 17,** multiple trees beginning 1520' from departure end of runway, 859' right of centerline, 82' AGL/621' MSL, tree 1794' from departure end of runway, 410' left of centerline, 59' AGL/ 598' MSL. **Rwy 29,** multiple trees beginning 1318' from departure end of runway, 494' left of centerline, 59' AGL/ 579' MSL, light pole 663' from departure end of runway, 528' left of centerline, 10' AGL/559' MSL, tree 1481' from departure end of runway, 501' right of centerline, 66' AGL/578' MSL. **Rwy 35,** multiple trees and light pole beginning 980' from departure end of runway, 574' left of centelrine, 67' AGL/596' MSL.

AMERY, WI

AMERY MUNI (AHH)
AMDT 1 05076 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18,** 400-1 or std. with a min. climb of 335' per NM to 1600

NOTE: **Rwy 18,** towers 6684' from departure end of runway, 2072' left of centerline, 140' AGL/1340' MSL.

NAME TAKE-OFF MINIMUMS

ANTIGO, WI

LANGLADE COUNTY (AIG)
ORIG 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8,** 400-2 or std. w/ min. climb of 221' per NM to 1900, or alternatively, with std. takeoff min. and a normal 200'/NM climb gradient, takeoff must occur no later than 1800' prior to departure end of runway.

NOTE: **Rwy 8,** Trees beginning 3692' from departure end of runway, 538' right of centerline, up to 100' AGL/1799' MSL. Vehicle and road 796' from departure end of runway, 27' right of centerline, 15' AGL/1544' MSL. **Rwy 16,** Vehicle and road beginning 150' from departure end of runway, 212' left of centerline, 15' AGL/1539' MSL. **Rwy 26,** Trees beginning 2447' from departure end of runway, on centerline, up to 100' AGL/1614' MSL.

ASHLAND, WI

JOHN F. KENNEDY MEMORIAL (ASX)
AMDT 1 08157 (FAA)

NOTE: **Rwy 2,** trees beginning 52' from departure end of runway, 209' right of centerline, up to 100'AGL/939' MSL. Trees beginning 119' from departure end of runway, 110' left of centerline, up to 100' AGL/929' MSL. Antenna 2411' from departure end of runway, 920' left of centerline, 117' AGL/926' MSL. **Rwy 13,** trees beginning 44' from departure end of runway, 161' right of centerline, up to 100' AGL/878' MSL. Trees beginning 831' from departure end of runway, 241' left of centerline, up to 100' AGL/868' MSL. **Rwy 20,** truck on road 329' from departure end of runway, 576' right of centerline, 15' AGL/844' MSL. Trees beginning 206' from departure end of runway, 229' right of centerline, up to 100' AGL/893' MSL. Trees beginning 1152' from departure end of runway, 295' left of centerline, up to 100' AGL/893' MSL. **Rwy 31,** truck on road 65' from departure end of runway, 325' right and 331' left of centerline, 15' AGL/844' MSL. Trees beginning 90' from departure end of runway, 172' right of centerline, up to 100' AGL/919' MSL. Trees beginning 34' from departure end of runway, 222' left of centerline, up to 100' AGL/838' MSL

BARABOO, WI

BARABOO WISCONSIN DELLS (DLL)
ORIG 85017 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1,** 300-1.

DEPARTURE PROCEDURE: **Rwy 14,** southeastbound departures, climbing left turn to heading 070° intercept DLL R-090, climb to 3200 before proceeding southeastbound. **Rwys 19, 32,** southeastbound departures (090° CW 180°) climb on runway heading to 3200 before proceeding on course.

BLACK RIVER FALLS, WI

BLACK RIVER FALLS AREA (BCK)
AMDT 1 (FAA)

DEPARTURE PROCEDURE: **Rwys 8, 26,** climb runway heading to 1400 before proceeding on course.

BLOOMINGTON-NORMAL, IL

CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL (BMI)
ORIG 07074 (FAA)

DEPARTURE PROCEDURE: **Rwy 20,** climb heading 198° to 1400 before turning left.

NOTE: **Rwy 2,** pole 1638' from departure end of runway, 908' right of centerline, 78' AGL/922' MSL. **Rwy 11,** tree 2069' from departure end of runway, 1031' right of centerline, 60' AGL/933' MSL.

BOSCOBEL, WI

BOSCOBEL (OVS)
AMDT 1 07298 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2,** 600-3 or std. w/ min. climb of 447' per NM to 1300. **Rwy 7,** std. w/ min. climb of 548' per NM to 1500, or 1200-2½ for climb in visual conditions. **Rwy 20,** std. w/ min. climb of 672' per NM to 1400 or 1200-2½ for climb in visual conditions. **Rwy 25,** std. w/ min. climb of 381' per NM to 1300 or 1200-2 ½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 2,** climb heading 017° to 1300 before turning south. **Rwy 7,** climb heading 067° to 1500 before turning south, or for climb in visual conditions, cross Boscobel Airport at or above 1700 before proceeding on course. **Rwy 20,** climb heading 197° to 1500 before turning east, or for climb in visual conditions, cross Boscobel Airport at or above 1700 before proceeding on course. **Rwy 25,** climb heading 247° to 1500 before proceeding on course, or for climb in visual conditions, cross Boscobel Airport at or above 1700 before proceeding on course.

NOTE: **Rwy 2,** trees 1.3 NM from departure end of runway, 2536' left of centerline, 100' AGL/1118' MSL. Trees 1.6 NM from departure end of runway, 1276' left of centerline, 100' AGL/1127' MSL. Trees 1750' from departure end of runway, 470' left of centerline, 100' AGL/835' MSL. **Rwy 7,** trees 1.2 NM from departure end of runway, 2270' right of centerline, 100' AGL/1167' MSL. Trees 1290' from departure end of runway, 580' left of centerline, 100' AGL/726' MSL. Tree 13' from departure end of runway, 489' left of centerline, 10' AGL/690' MSL. Trees 1988' from departure end of runway, 250' left of centerline, 40' AGL/738' MSL. **Rwy 20,** tower 1.7 NM from departure end of runway, 640' right of centerline, 205' AGL/1196' MSL. Tower 3070' from departure end of runway, 865' left of centerline, 100' AGL/790' MSL. **Rwy 25,** tree 1.6 NM from departure end of runway, 2290' right of centerline, 100' AGL/1137' MSL. Tree 2.1 NM from departure end of runway, 1110' right of centerline, 100' AGL/1066' MSL. Trees 958' from departure end of runway, 478' right of centerline, 40' AGL/737' MSL. Trees 1165' from departure end of runway, 701' left of centerline, 40' AGL/731' MSL. Tree 1.6 NM from departure end of runway, 2290' right of centerline, 100' AGL/1137' MSL.

BOYCEVILLE, WI

BOYCEVILLE MUNI (3T3)
ORIG 02332 (FAA)

TAKE-OFF MINIMUMS: **Rwy 8,** 1300-2 or std. with a min. climb of 340' per NM to 2700.

NOTE: **Rwy 8,** tower 6.44NM from departure end of runway, 3378' right of centerline, 1200' AGL/2180' MSL.

BURLINGTON, WI

BURLINGTON MUNI (BUU)
AMDT 2 86128 (FAA)

TAKE-OFF MINIMUMS: **Rwy 29,** 300-1 or std. with a min. climb of 260' per NM to 1100.

DEPARTURE PROCEDURE: **Rwy 11,** climb runway heading to 1400 before turning.

CABLE, WI

CABLE UNION (3CU)
AMDT 4 99308 (FAA)

DEPARTURE PROCEDURE: **Rwy 16,** west departures, climb runway heading to 1900 before turning westbound.

CAHOKIA/ST. LOUIS, IL

ST. LOUIS DOWNTOWN (CPS)
AMDT 7 05300 (FAA)

TAKEOFF MINIMUMS: **Rwy 5,** 200-1 ¼ or std. with a min. climb of 343' per NM to 800. **Rwy 30L,** 400-2½ or std. with a min. climb of 220' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 5,** climb via heading 047° to 900 before turning left. **Rwy 12L/12R,** climb via heading 122° to 1000 before turning left. **Rwy 23,** climb via heading 227° to 2000 before turning. **Rwy 30L/30R,** climb via heading 302° to 1700 before turning.

NOTE: **Rwy 5,** antenna 476' from departure end of runway, 326' right of centerline, 37' AGL/448' MSL, pole 630' from departure end of runway, 540' right of centerline, 62' AGL/473' MSL, multiple towers beginning 1649' from departure end of runway, 19' left of centerline, up to 76' AGL/487' MSL. **Rwy 12L,** tree 1633' from departure end of runway, 144' left of centerline, 44' AGL/453' MSL. **Rwy 12R,** tree 2279' from departure end of runway 927' right of centerline, 77' AGL/486' MSL. Tree 3823' from departure end of runway, 20' left of centerline, 92' AGL/509' MSL. **Rwy 23,** pole 763' from departure end of runway, 182' right of centerline, 44' AGL/453' MSL, multiple trees beginning 812' from departure end of runway, 4' right of centerline, up to 81' AGL/492' MSL. **Rwy 30L,** multiple trees beginning 889' from departure end of runway, 516' right of centerline, up to 114' AGL/521' MSL.

CANTON, IL

INGERSOLL (CTK)
ORIG 08213 (FAA)

NOTE: **Rwy 9,** tree 1335' from departure end of runway, 772' right of centerline, 100' AGL/749' MSL. **Rwy 36,** tree 1162' from departure end of runway, 486' right of centerline, 100' AGL/739' MSL.

CARMI, IL

CARMI MUNI (CUL)
AMDT 1 83356 (FAA)

DEPARTURE PROCEDURE: **Rwy 36,** climb runway heading to 1000 before turning westbound.

CASEY, IL

CASEY MUNI (1H8)
AMDT 3 83258 (FAA)

DEPARTURE PROCEDURE: **Rwys 4, 22, 36,** climb runway heading to 1900 before turning southbound. **Rwy 18,** climb runway heading to 1900 before turning left.

CENTRALIA, IL

CENTRALIA MUNI (ENL)
AMDT 1 82133 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18,** 300-1.

CHAMPAIGN/URBANA, IL

UNIVERSITY OF ILLINOIS-WILLARD (CMI)
ORIG 09015 (FAA)

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 041° to 1300 before turning left.

NOTE: **Rwy 4,** trees beginning 56' from departure end of runway, 23' left of centerline, up to 63' AGL/808' MSL. Trees beginning 56' from departure end of runway, 89' right of centerline, up to 98' AGL/843' MSL. **Rwy 14R,** rod on obstruction light 520' from departure end of runway, 383' left of centerline, 17' AGL/760' MSL. Glide slope 541' from departure end of runway, 439' left of centerline, 36' AGL/779' MSL. Rod on obstruction light 543' from departure end of runway, 439' left of centerline, 37' AGL/780' MSL. **Rwy 18,** Terrain beginning 2' from departure end of runway, from left to right of centerline, up to 0' AGL/749' MSL. **Rwy 32L,** terrain 20' from departure end of runway, 152' right of centerline, 0' AGL/752' MSL. Antenna on ASR 1920' from departure end of runway, 331' left of centerline, 82' AGL/831' MSL.

CHICAGO, IL

CHICAGO MIDWAY INTL (MDW)
AMDT 10 08101 (FAA)

DEPARTURE PROCEDURE: **Rwys 4L,4R,** Climbing right turn to 2400 heading 100° before proceding on course. **Rwys 13C, 13L, 13R,** Climb heading 135° to 1400 before turning. **Rwys 22L, 22R,** Climb heading 224° to 1300 before turning. **Rwys 31C, 31L, 31R,** Climb heading 315° to 1500 before turning.

NOTE: **Rwy 4L,** fence 18' from departure end of runway, 257' left of centerline, 12' AGL/616' MSL. Vehicle plus road 143' from departure end of runway, 163' left of centerline, 16' AGL/620' MSL. Building 251' from departure end of runway, 217' left of centerline, 26' AGL/630' MSL. Sign 1912' from departure end of runway, 330' left of centerline, 88' AGL/692' MSL. Multiple light poles and trees beginning 375' from departure end of runway, 98' right of centerline, up to 75' AGL/ 679' MSL.

Rwy 4R, LOC 300' from departure end of runway, on centerline, 10' AGL/614' MSL. Light pole and multiple trees beginning 40' from departure end of runway, 369' left of centerline, up to 75' AGL/679' MSL. Blast fence 277' from departure end of runway, 45' left of centerline, 9' AGL/613' MSL. Tower 3983' from departure end of runway, 1142' left of centerline, 109' AGL/708' MSL. Multiple light poles and trees beginning 96' from departure end of runway, 21' right of centerline, up to 53' AGL/657' MSL. Train beginning 1483' from departure end of runway, 570' right of centerline, 48' AGL/654' MSL. **Rwy 13C**, LOC 248' from departure end of runway, on centerline, 8' AGL/619' MSL. Building 101' from departure end of runway, 254' left of centerline, 14' AGL/625' MSL. Trees beginning 288' from departure end of runway, 459' left of centerline, up to 76' AGL/680' MSL. Trees beginning 109' from departure end of runway, 402' right of centerline, up to 86' AGL/700' MSL. **Rwy 13L,** multiple poles and trees beginning 362' from departure end of runway, 215' left of centerline, up to 71' AGL/675' MSL. Trees beginning 1136' from departure end of runway, 54' right of centerline, up to 76' AGL/680' MSL. **Rwy 13R,** wind sock 263' from departure end of runway, 256' left of centerline, 9' AGL/621' MSL. Tree 1852' from departure end of runway, 960' left of centerline, 75' AGL/661' MSL. Building 459' from departure end of runway, 594' right of centerline, 50' AGL/660' MSL. Hangar 661' from departure end of runway, 291' right of centerline, 52' AGL/661' MSL. **Rwy 22L,** multiple poles and trees beginning 74' from departure end of runway, 375' left of centerline, up to 70' AGL/689' MSL. Multiple poles and trees beginning 465' from departure end of runway, 49' right of centerline, up to 60' AGL/679' MSL. Tank 4100' from departure end of runway, 161' right of centerline, 109' AGL/728' MSL. **Rwy 22R,** multiple poles and trees beginning 575' from departure end of runway, 168' left of centerline, up to 58' AGL/677' MSL. Tank 4100' from departure end of runway, 161' left of centerline, 109' AGL/728' MSL. Fence 198' from departure end of runway, 3' right of centerline, 12' AGL/630' MSL. Trees beginning 183' from departure end of runway, 65' right of centerline, up to 72' AGL/686' MSL.

CHICAGO MIDWAY INTL (CON'T)

Rwy 31C, LOC 239' from departure end of runway, on centerline, 10' AGL/617' MSL. Trees beginning 452' from departure end of runway, 454' left of centerline, up to 63' AGL/667' MSL. Spire 2207' from departure end of runway, 699' left of centerline, 78' AGL/684' MSL. Multiple poles and trees beginning 142' from departure end of runway, 28' right of centerline, up to 73' AGL/672' MSL. DME 183' from departure end of runway, 309' right of centerline, 17' AGL/624' MSL. Sign 1528' from departure end of runway, 270' right of centerline, 52' AGL/652' MSL. Tank 5576' from departure end of runway, 1430' right of centerline, 162' AGL/756' MSL. **Rwy 31L,** trees beginning 1299' from departure end of runway, 85' left of centerline, up to 53' AGL/662' MSL. Trees beginning 1779' from departure end of runway, 26' right of centerline, up to 68' AGL/667' MSL. **Rwy 31R,** multiple poles and trees beginning 379' from departure end of runway, 49' left of centerline, up to 65' AGL/664' MSL. Pole and trees beginning 70' from departure end of runway, 50' right of centerline, up to 68' AGL/667' MSL.

CHICAGO-O'HARE INTL (ORD)
AMDT 16A 09099 (FAA)

TAKEOFF MINIMUMS: **Rwy 27L,** std. w/ min. climb of 214' per NM to 1700, or 300-1¼ with min. climb of 203' per NM to 1700, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1500' prior to departure end of runway. **Rwy 27R,** std. w/ min. climb of 228' per NM to 1800. **Rwy 28,** std. w/ min. climb of 222' per NM to 1700. **Rwy 32L**, std. w/ min. climb of 231' per NM to 1800.

NOTE: **Rwy 4L**, multiple buildings beginning 3325' from DER, 1198' right of centerline, up to 101' AGL/750' MSL. **Rwy 4R,** multiple trees beginning 793' from DER, 568' right of centerline, up to 77' AGL/716' MSL. Multiple trees beginning 2266' from DER, 756' left of centerline, up to 84' AGL/723' MSL. Parked aircraft on ramp 153' from DER, 329' left of centerline, 80' AGL/735' MSL. **Rwy 9L,** building 2771' from DER, 1194' right of centerline, 94' AGL/745' MSL. **Rwy 9R,** street light 877' from DER, 686' right of centerline, 40' AGL/684' MSL. **Rwy 10,** multiple towers beginning 2522' from DER, 983' right of centerline, up to 127' AGL/771' MSL. Parked aircraft on ramp 33' from DER, 440' left of centerline, 80' AGL/735' MSL. **Rwy 14L,** multiple lights beginning 982' from DER, 745' left of centerline, up to 40' AGL/684' MSL. Parked aircraft on ramp and sign beginning 100' from DER, 363' right of centerline, up to 80' AGL/729' MSL. **Rwy 14R,** parked aircraft on ramp 1104' from DER, 766' right of centerline, 80' AGL/730' MSL. **Rwy 22L,** tree 972' from DER, 354' left of centerline, 31' AGL/690' MSL. **Rwy 22R,** parked aircraft on ramp 34' from DER, 430' left of centerline, 80' AGL/736' MSL. **Rwy 27L,** multiple poles, towers, and aircraft on ramp beginning 70' from DER, 408' left of centerline, 147' AGL/812' MSL. **Rwy 27R,** elevator 2778' from DER, 1021' left of centerline, 111' AGL/776' MSL. Tank 1489' from DER, 892' left of centerline, 55' AGL/723' MSL. **Rwy 32L,** flag pole 2036' from DER, 791' left of centerline, 58' AGL/732' MSL. **Rwy 32R,** multiple trees beginning 1438' from DER, 851' right of centerline, up to 71' AGL/715' MSL.

CHICAGO, IL (CON'T)

LANSING MUNI (IGQ)
AMDT 5 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 36,** 300-1¼ or std. w/ min. climb of 322' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 36,** climb heading 002° to 1200 before proceeding on course.

NOTE: **Rwy 9,** poles beginning 1203' from DER, from left to right of centerline, up to 32' AGL/647' MSL. Building 1882' from DER, 964' left of centerline, 50' AGL/668' MSL. Tower 4314' from DER, 664' left of centerline, 149' AGL/764' MSL. **Rwy 18,** trees beginning 381' from DER, 440' right of centerline, up to 42' AGL/661' MSL. **Rwy 27,** hangar and building beginning 254' from DER, 69' right of centerline, up to 26' AGL/641' MSL. Trees, antennas, antennas on buildings, signs, light poles, and road with vehicles beginning 326' from DER, from left to right of centerline, up to 68' AGL/683' MSL. Tank 575' from DER, 65' left of centerline, 16' AGL/630' MSL. **Rwy 36,** pole 5546' from DER, 1932' right of centerline, 164' AGL/777' MSL.

CHICAGO/AURORA, IL

AURORA MUNI (ARR)
AMDT 1 07298 (FAA)

NOTE: **Rwy 9,** vehicle on road 794' from departure end of runway, right and left of centerline, 15' AGL/734' MSL. Multiple trees beginning 4126' from departure end of runway, on centerline, 100' AGL/819' MSL. **Rwy 15,** multiple trees, power poles and road beginning 900' from departure end of runway, 47' right of centerline, up to 100' AGL/809' MSL. Power pole 1313' from departure end of runway, 47' left of centerline, 34' AGL/733' MSL. **Rwy 18,** multiple power poles beginning 1218' from departure end of runway, 190' right of centerline, up to 35' AGL/734' MSL. Multiple trees beginning 3646' from departure end of runway, on centerline up to 100' AGL/809' MSL. **Rwy 27,** vehicle on road 1020' from departure end of runway, right and left of centerline, 15' AGL/734' MSL. **Rwy 33,** multiple trees and road beginning 788' from departure end of runway, 238' right of centerline, up to 79' AGL/788' MSL. Road and power pole beginning 577' from departure end of runway, 137' left of centerline, up to 38' AGL/747' MSL. **Rwy 36,** tree, pole and fence beginning 31' from departure end of runway, 169' left of centerline, up to 35' AGL/734' MSL. Vehicle on road beginning 1099' from departure end of runway, right and left of centerline, 15' AGL/734' MSL.

CHICAGO/PROSPECT HEIGHTS/ WHEELING, IL

CHICAGO EXECUTIVE (PWK)
AMDT 2 04330 (FAA)

TAKE-OFF MINIMUMS: **Rwy 24,** 300-1 or std. with min. climb of 286' per NM to 900.

NOTE: **Rwy 6,** tree 226' from departure end of runway, 226' right of centerline, 51' AGL/691' MSL. **Rwy 12,** antenna 4287' from departure end of runway, 1191' right of centerline, 129' AGL/769' MSL. **Rwy 16,** tree 1572' from departure end of runway, 423' left of centerline, 62' AGL/702' MSL. Obstruction light, 393' from departure end of runway, 383' right of centerline, 14' AGL/658' MSL. **Rwy 24,** tower 2955' from departure end of runway, 990' left of centerline, 133' AGL/783' MSL. **Rwy 30,** antenna 5171' from departure end of runway, 758' right of centerline, 152' AGL/802' MSL. Tower 4865' from departure end of runway 1002' right of centerline, 131' AGL/778' MSL. **Rwy 34,** tree 479' from departure end of runway, 465' left of centerline, 79' AGL/723' MSL.

CHICAGO/ROMEOVILLE, IL

LEWIS UNIVERSITY (LOT)
ORIG 07242 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2,** 300-1½ or std. w/ min. climb of 330' per NM to 1100.

DEPARTURE PROCEDURE: **Rwy 2,** climb heading 016° to 1100 before turning right.

NOTE: **Rwy 2,** multiple towers beginning 1.1 NM from departure end of runway, 361' left of centerline, up to 210' AGL/875' MSL. **Rwy 9,** multiple trees beginning 857' from departure end of runway, 359' left of centerline, up to 66' AGL/735' MSL. Building 244' from departure end of runway, 379' left of centerline, 10' AGL/679' MSL. Multiple trees and pole beginning 278' from departure end of runway, 174' right of centerline, up to 62' AGL/721' MSL. Sign 113' from departure end of runway, 355' right of centerline, 4' AGL/668' MSL. **Rwy 27,** multiple trees beginning 1144' from departure end of runway, 635' right of centerline, up to 54' AGL/723' MSL.

CHICAGO/WAUKEGAN, IL

WAUKEGAN RGNL (UGN)
ORIG 91122 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,** 300-1.

CHICAGO/WEST CHICAGO, IL

DU PAGE (DPA)
ORIG 07354 (FAA)

NOTE: **Rwy 2L,** tree 2249' from departure end of runway, 1065' left of centerline, 15' AGL/831' MSL. **Rwy 2R,** tower 4561' from departure end of runway, 1540' right of centerline, 140' AGL/899' MSL. **Rwy 10,** building 631' from departure end of runway, 611' left of centerline, 15' AGL/777' MSL, tree 872' from departure end of runway, 336' left of centerline, 15' AGL/815' MSL, tree 1437' from departure end of runway, 367' left of centerline, 15' AGL/827' MSL, stack 1639' from departure end of runway, 184' left of centerline, 50' AGL/810' MSL. **Rwy 15,** road 267' from departure end of runway, 130' left of centerline, 15' AGL/815' MSL, road 467' from departure end of runway, 8' left of centerline, 15' AGL/815' MSL. Signal pole 804' from departure end of runway, 235' right of centerline, 15' AGL/800' MSL, trees beginning 1075' from departure end of runway, 133' right of centerline, 15' AGL/832' MSL. **Rwy 33,** multiple trees starting 332' from departure end of runway, 356' left and right of centerline, 15' AGL/836' MSL, obstruction light on pole 887' from departure end of runway, 149' left of centerline, 10' AGL/796' MSL, obstruction light on pole 927' from departure end of runway, 120' right of centerline, 10' AGL/793' MSL.

CLINTONVILLE, WI

CLINTONVILLE MUNI (CLI)
AMDT 1 07074 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27,** NA-environmental.

NOTE: **Rwy 4,** trees beginning 382' from departure end of runway, 485' right of centerline, up to 100' AGL/914' MSL, elevator 1199' from departure end of runway, 300' right of centerline, up to 100' AGL/930' MSL. **Rwy 14,** trees beginning 379' from departure end of runway, 424' right of centerline, up to 100' AGL/909' MSL. **Rwy 22,** trees beginning 729' from departure end of runway, 471' right of centerline, up to 100' AGL/929' MSL. **Rwy 32,** trees beginning 1215' from departure end of runway, 426' left of centerline, up to 100' AGL/934' MSL.

DANVILLE, IL
VERMILION RGNL (DNV)
ORIG 09183 (FAA)
NOTE: **Rwy 3,** tree 2298' from departure end of runway, 725' right of centerline, 50' AGL/761' MSL. **Rwy 16,** tree 4101' from departure end of runway, 378' left of centerline, 50' AGL/789' MSL. **Rwy 21,** tree 1982' from departure end of runway, 802' left of centerline, 50' AGL/728' MSL. **Rwy 34,** tree 3460' from departure end of runway, 2' right of centerline, 50' AGL/812' MSL.

DE KALB, IL
DE KALB TAYLOR MUNI (DKB)
AMDT 4 99140 (FAA)
TAKE-OFF MINIMUMS: **Rwy 27,** 300-1.
DEPARTURE PROCEDURE: **Rwy 9,** climb runway heading to 1400 before proceeding on course.

DECATUR, IL
DECATUR (DEC)
AMDT 2 84131 (FAA)
DEPARTURE PROCEDURE: Northbound departures: **Rwys 6,12,24,** climb runway heading to 1600 before turning north. **Rwy 18,** climb runway heading to 1200 before turning north. **Rwy 30,** right turn, climb to 3000 via DEC R-340 before proceeding north. **Rwy 36,** left turn, climb to 3000 via DEC R-340 before proceeding north.

DELAVAN, WI
LAKE LAWN (C59)
AMDT 1 03247 (FAA)
NOTE: **Rwy 18,** trees 150' from departure end of runway, 200' right of centerline, 56' AGL/1023' MSL. Trees 300' from departure end of runway, 200' right of centerline, 50' AGL/1017' MSL. **Rwy 36,** trees 90' from departure end of runway, 175' left of centerline, 66' AGL/1045' MSL. Poles 251' from departure end of runway, 86' right of centerline, 66' AGL/1045' MSL. Pole 90' from departure end of runway, 240' right of centerline, 60' AGL/1039' MSL. Pole 85' from departure end of runway, 170' left of centerline, 60' AGL/1039' MSL.

DIXON, IL
DIXON MUNI - CHARLES R WALGREEN FIELD (C73)
AMDT 2 09155 (FAA)
TAKE-OFF MINIMUMS: **Rwy 12,** 600-1½ or std. w/ min. climb of 410' per NM to 1400.
DEPARTURE PROCEDURE: **Rwy 12,** climb heading 123° to 1300 before turning right.
NOTE: **Rwy 12,** T-L towers beginning 1.20 NM from DER, left and right of centerline, up to 180' AGL/1139' MSL. **Rwy 8,** vehicle on road 336' from DER, 184' right of centerline, 15' AGL/812' MSL. Road 359' from DER on centerline, 796' MSL. **Rwy 26,** trees beginning 386' from DER, 182' right and left of centerline, up to 52' AGL/833' MSL. Multiple roof tops and poles beginning 164' from DER, 360' right of centerline, up to 25' AGL/806' MSL. Stack and railroad tracks beginning 570' from DER, 304' right of centerline, up to 60' AGL/843' MSL.

EAGLE RIVER, WI
EAGLE RIVER UNION (EGV)
ORIG 06271 (FAA)
NOTE: **Rwy 4,** road 240' from departure end of runway, 559' right of centerline, 15' AGL/1654' MSL. Terrain 51' from departure end of runway, 288' right of centerline, 0' AGL/1639' MSL. **Rwy 13,** road 268' from departure end of runway, 572' left of centerline, 15' AGL/1654' MSL. **Rwy 22,** road 246' from departure end of runway ,566' right of centerline, 15' AGL/1654' MSL. Multiple trees 476' from departure end of runway,430' right of centerline, 83' AGL/1722' MSL. Multiple trees 761' from departure end of runway, 147' left of centerline, 96' AGL/1735' MSL.

EAU CLAIRE, WI
CHIPPEWA VALLEY RGNL (EAU)
AMDT 2 08157 (FAA)
TAKE-OFF MINIMUMS: **Rwy 14,** 500-2¾ or std. w/ min. climb of 295' per NM to 1500. **Rwy 32,** 200-1½ or std. w/ min. climb of 270' per NM to 1200.
DEPARTURE PROCEDURE: **Rwy 14,** climb heading 138° to 2000 before proceeding on course. **Rwy 22,** climb heading 224° to 1700 before proceeding on course. **Rwy 32,** climb heading 304° to 1700 before proceeding on course.
NOTE: **Rwy 4,** terrain 25' from departure end of runway, 98' left of centerline, 0' AGL/942' MSL. **Rwy 14,** trees beginning 336' from departure end of runway, 73' right of centerline, up to 62' AGL/1110' MSL. Trees beginning 999' from departure end of runway, 29' left of centerline up to 60' AGL/1159' MSL. Radio tower 2.2 NM from departure end of runway, 18' left of centerline, 455' AGL/1349' MSL. **Rwy 22,** vehicle on road and obstruction light on pole beginning 116' from departure end of runway, 426' right of centerline, up to 17' AGL/892' MSL. Trees
639' from departure end of runway, 509' left of centerline, 30' AGL/909' MSL. **Rwy 32,** trees beginning 184' from departure end of runway, 502' left of centerline, up to 67' AGL/1069' MSL. Trees beginning 562' from departure end of runway, 224' right of centerline, up to 74' AGL/933' MSL.

EFFINGHAM, IL
EFFINGHAM COUNTY MEMORIAL (1H2)
AMDT 4 98001 (FAA)
TAKE-OFF MINIMUMS: **Rwy 1,** 600-1.
DEPARTURE PROCEDURE: **Rwy 29,** climb runway heading to 2100 before proceeding on course.

FAIRFIELD, IL
FAIRFIELD MUNI (FWC)
AMDT 2 99308 (FAA)
TAKE-OFF MINIMUMS: **Rwy 9,** 400-1 or std. with a min. climb of 310' per NM to 800. **Rwy 27,** 300-1 or std. with a min. climb of 320' per NM to 600.

FLORA, IL
FLORA MUNI (FOA)
AMDT 1 84047 (FAA)
DEPARTURE PROCEDURE: **Rwys 3, 33,** climb runway heading to 1100 before turning left. **Rwy 21,** climb runway heading to 1100 before turning right.

FOND DU LAC, WI
FOND DU LAC COUNTY (FLD)
AMDT 1 84327 (FAA)
DEPARTURE PROCEDURE: **Rwy 9,** climb runway heading to 2000 before turning north. **Rwy 36,** climb runway heading to 2000 before turning east.

FREEPORT, IL
ALBERTUS (FEP)
ORIG 07130 (FAA)
TAKE-OFF MINIMUMS: **Rwys 13, 18, 31, 36,** NA-Environmental.
NOTE: **Rwy 24,** multiple trees beginning 446' from departure end of runway, 450' right of centerline, up to 67' AGL/903' MSL.

FRIENDSHIP (ADAMS), WI
ADAMS CO. LEGION FIELD (63C)
AMDT 1 02164 (FAA)
TAKE-OFF MINIMUMS: **Rwys 8, 26,** NA - unsurveyed turf runways. **Rwy 33,** 500-2 or std. with a min. climb of 400' per NM to 1600.
NOTE: **Rwy 15,** powerline 1210' from departure end of runway, 130' left of centerline, 60' AGL/1090' MSL. **Rwy 33,** trees 200' from departure end of runway, 200' left of centerline, 57' AGL/1032' MSL. Trees 1.43 NM from departure end of runway, 2653' left of centerline, 100' AGL/1399' MSL. Watch tower 1.69 NM from departure end of runway, 2271' left of centerline, 150' AGL/1400' MSL.

GRANTSBURG, WI
GRANTSBURG MUNI (GTG)
ORIG 94230 (FAA)
TAKE-OFF MINIMUMS: **Rwy 23,** 300-1.

GRAYSLAKE, IL
CAMPBELL (C81)
AMDT 1 82063 (FAA)
TAKE-OFF MINIMUMS: **Rwy 24,** 300-1.
DEPARTURE PROCEDURE: **Rwy 9,** climb runway heading to 1200 before turning.

GREEN BAY, WI
AUSTIN STRAUBEL INTL (GRB)
AMDT 2 07354 (FAA)
DEPARTURE PROCEDURE: **Rwy 6,** climb heading 062° to 1300 before turning right. **Rwy 18,** climb heading 182° to 1600 before turning left.
NOTE: **Rwy 18,** tree 3022' from departure end of runway, 680' left of centerline, 100' AGL/779' MSL. **Rwy 24,** trees beginning 1556' from departure end of runway, 893' left of centerline, up to 100' AGL/779' MSL. Pole 1114' from departure end of runway, 665' left of centerline, 38' AGL/722' MSL.

HARRISBURG, IL
HARRISBURG-RALEIGH (HSB)
ORIG 08101 (FAA)
NOTE: **Rwy 6,** Trees and a PVC pipe, beginning 62' from departure endof runway, 230' left of centerline, up to 100' AGL/519' MSL. Trees 895' from departure end of runway 523' right of centerline, 61' AGL/454' MSL. **Rwy 24,** Trees beginning 252' from departure end of runway, 420' right of centerline, up to 100' AGL/479' MSL. **Rwy 32,** Trees beginning 4182' from Departure end of runway, 615' left of centerline, up to 100' AGL/499' MSL. Trees beginning 1744' from departure end of runway, 299' right of centerline, up to 100' AGL/509' MSL.

HAYWARD, WI
SAWYER COUNTY (HYR)
AMDT 4 99308
TAKE-OFF MINIMUMS: **Rwy 16,** 300-1 or std. with a min. climb of 300' per NM to 1300. **Rwy 20,** 300-1 or std. with a min. climb of 270' per NM to 1300. **Rwy 34,** 300-1 or std. with a min. climb of 250' per NM to 1300.
DEPARTURE PROCEDURE: **Rwy 16,** climb runway heading to 1900 before turning eastbound.

JANESVILLE, WI
SOUTHERN WISCONSIN RGNL (JVL)
ORIG 08101 (FAA)
TAKE-OFF MINIMUMS: **Rwy 36,** 300-2¼ or std. w/ a min. climb of 203' per NM to 1200, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1200' prior to departure end of runway.
NOTE: **Rwy 4,** Road 342' from departure end of runway, 520' right of centerline, 17' AGL/846' MSL. Trees beginning 624' from departure end of runway, 366' left of centerline, up to 60' AGL/889' MSL. Light on pole 1290' from departure end of runway, 595' left of centerline, 21' AGL/840' MSL. Antenna 804' from departure end of runway, 190' left of centerline, 16' AGL/825' MSL. **Rwy 32,** Tree 1524' from departure end of runway 857' left of centerline, 100' AGL/869' MSL. **Rwy 36,** tree 1427' from departure end of runway, 108' left of centerline, 42' AGL/851' MSL. Road 385' from departure end of runway, 20' left of centerline, 15' AGL/824' MSL. Tower 1.92 NM from departure end of runway, 1427' left of centerline, 258' AGL/1101' MSL.

JOLIET, IL
JOLIET RGNL
TAKE-OFF MINIMUMS: **Rwy 12,** 500-1. **Rwy 22,** 300-1.
DEPARTURE PROCEDURE: **Rwy 4,** climb to 1000 before turning right. **Rwy 30,** climb to 1000 before turning left. **Rwy 22,** when ceiling is below 500, climb to 1100 before turning left.

JUNEAU, WI
DODGE COUNTY (UNU)
ORIG 94286 (FAA)
TAKE-OFF MINIMUMS: **Rwy 20,** 300-1.

KANKAKEE, IL

GREATER KANKAKEE (IKK)
ORIG 07074 (FAA)

NOTE: **Rwy 4,** vehicle on road 532' from departure end of runway, 546' left of centerline, 15' AGL/652' MSL. **Rwy 16,** vehicle on road 729' from departure end of runway, 181' right of centerline, 15' AGL/645' MSL. **Rwy 22,** vehicle on road 1069' from departure end of runway, 622' left of centerline, 15' AGL/653' MSL. **Rwy 34,** vehicle on road 831' from departure end of runway, 189' left of centerline, 15' AGL/650' MSL. Tree 623' from departure end of runway, 203' right of centerline, 25' AGL/650' MSL. Tree 164' from departure end of runway, 541' right of centerline, 60' AGL/630' MSL. Tree 505' from departure end of runway, 122' left of centerline, 65' AGL/635' MSL.

KENOSHA, WI

KENOSHA RGNL (ENW)
ORIG 09239 (FAA)

NOTE: **Rwy 7R,** multiple light poles beginning 560' from DER, 342' right of centerline, up to 26' AGL/729' MSL. Multiple trees and pole beginning 569' from DER, 248' left of centerline, up to 54' AGL/760' MSL. **Rwy 7L,** muliple trees beginning 156' from DER, 324' left of centerline up to 52' AGL/761' MSL. **Rwy 25L,** multiple trees and hangars beginning 10' from DER, 209' right' of centerline up to 11' AGL/760' MSL. Tree 22' from DER, 378' left of centerline 24' AGL/763' MSL. Fence, 200' from DER, 456' left of centerline, 8' AGL, 737' MSL. Vehicle on road 889' from DER, 187' left of centerline, 14' AGL/753' MSL. **Rwy 33,** multiple trees beginning 808' from DER, 39' right of centerline up to 81' AGL/811' MSL. Multiple trees beginning 1171' from DER, 78' left of centerline, up to 84' AGL/810' MSL. **Rwy 25R,** trees 2800' from DER, 603' left to right of centerline, 100' AGL/819' MSL.

KEWANEE, IL

KEWANEE MUNI (EZI)
ORIG-A 09351(FAA)

NOTE: **Rwy 27,** powerlines and utility pole beginning 1424' from DER, 100' right of centerline, up to 79' AGL/925' MSL. Powerlines 2215' from DER, 432' left of centerline, 79' AGL/916' MSL. Tree 2212' from DER, 972' left of centerline, 100' AGL/933' MSL.

LA CROSSE, WI

LA CROSSE MUNI (LSE)
AMDT 5 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 3,** std. w/ min climb of 460' per NM to 1600, or 1400-2½ for climb in visual conditions. **Rwy 13,** std. w/ min. climb of 420' per NM to 2000, or 1400-2½ for climb in visual conditions. **Rwy 18,** std. w/ min. climb of 290' per NM to 1800, or 1400-2½ for climb in visual conditions. **Rwy 21,** std. w/ min climb of 430' per NM to 2000, or 1400-2½ for climb in visual conditions. **Rwy 31,** std. w/ min. climb of 300' per NM to 2500, or 1400-2½ for climb in visual conditions.**Rwy 36,** std. w/ min. climb of 325' per NM to 1800, or 1400-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 3, 13, 18, 21, 31, 36,** for climb in visual conditions cross La Crosse Muni airport at or above 1900 MSL before proceeding on course.

NOTE: **Rwy 3,** trees 964' from DER, 333' right of centerline, 80' AGL/730' MSL. Multiple trees beginning 499' from DER, 222' left of centerline, 56' AGL/706' MSL. Multiple trees beginning 4327' from DER, 263' right of centerline, up to 89' AGL/809' MSL. Pole 4371' from DER, 203' left of centerline, 84' AGL/784' MSL. Multiple trees 1.89 NM from DER, 2726' right of centerline, 100' AGL/1339' MSL. **Rwy 13,** trees 423' from DER, 446' left of centerline, 46' AGL/696' MSL. Trees 2666' from DER, 503' left of centerline, 97' AGL/747' MSL. **Rwy 18,** vehicle and road 685' from DER, 589' left of centerline, 15' AGL/694' MSL. Multiple trees beginning 1809' from DER, 10' left of centerline, up to 63' AGL/723' MSL. Multiple trees beginning 1630' from DER, 23' right of centerline, up to 67' AGL/727' MSL. **Rwy 21,** multiple tress beginning 1521' from DER, 586' left of centerline, up to 75' AGL/735' MSL. Light poles 1406' from DER, 174' right of centerline 35' AGL/695' MSL. Trees 2706' from DER, 285' right of centerline, 67' AGL/727' MSL. **Rwy 31,** multiple trees beginning 1992' from DER, 289' left of centerline, up to 80' AGL/730' MSL. Multiple trees beginning 2499' from DER, 92' right of centerline, up to 139' AGL/789' MSL.

LA POINTE, WI

MADELINE ISLAND (4R5)
ORIG 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 22,** 300-2 or std. w/ min. climb of 213' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 22,** Climb heading 220° to 1200 before proceeding on course.

NOTE: **Rwy 4,** trees beginning 69' from departure end of runway, 5' left of centerline, up to 100' AGL/759' MSL. Trees beginning 340' from departure end of runway, 52' right of centerline, up to 100' AGL/759' MSL. **Rwy 22,** trees beginning 1867' from departure end of runway, 187' left of centerline, up to 100' AGL/710' MSL. Trees beginning 167' from departure end of runway, 23' right of centerline, up to 100' AGL/729' MSL.

LACON, IL

MARSHALL COUNTY (C75)
AMDT 2 89236 (FAA)

TAKE-OFF MINIMUMS: **Rwys 13, 18, 36,** 300-1.

DEPARTURE PROCEDURE: **Rwy 31,** climb runway heading to 1800 before turning.

LADYSMITH, WI
RUSK COUNTY (RCX)
ORIG 01193 (FAA)
TAKE-OFF MINIMUMS: **Rwy 19,** 300-1 or std. with a min. climb of 430' per NM to 1500.

LAKE GENEVA, WI
GRAND GENEVA RESORT (C02)
ORIG 03079 (FAA)
DEPARTURE PROCEDURE: **Rwy 23,** climb runway heading to 1500 before turning westbound.

LAND O'LAKES, WI
KINGS LAND O'LAKES (LNL)
AMDT 4 05132 (FAA)
TAKE-OFF MINIMUMS: **Rwys 5, 23,** NA-obstacles.
NOTE: **Rwy 14,** road and vehicle 195' from departure end of runway, 245' left of centerline, 33' AGL/1737' MSL. **Rwy 32,** trees 50' from departure end of runway, 296' right of centerline, up to 100' AGL/1820' MSL. Trees 820' from departure end of runway, 220' right of centerline, 66' AGL/1770' MSL. Multiple trees beginning 480' from departure end of runway, 200' left of centerline, 60' AGL/1764' MSL. Tank 1144' from departure end of runway, 615' right of centerline, 125' AGL/1833' MSL.

LINCOLN, IL
LOGAN COUNTY (AAA)
AMDT 1 05300 (FAA)
TAKE-OFF MINIMUMS: **Rwy 21,** 300-½ or std. with a min. climb of 341' per NM to 800.
NOTE: **Rwy 21,** spire 2193' from departure end of runway, 208' left of centerline, 96' AGL/686' MSL.

LITCHFIELD, IL
LITCHFIELD MUNI (3LF)
AMDT 3 05300 (FAA)
NOTE: **Rwy 9,** tower 1058' left of departure end of runway, 132' AGL/822' MSL.

LONE ROCK, WI
TRI COUNTY RGNL (LNR)
AMDT 4 08185 (FAA)
TAKE-OFF MINIMUMS: **Rwys 9, 27,** 600-1¾, or 1000-2½ for climb in visual conditions. **Rwys 18, 36,** NA-Environmental.
DEPARTURE PROCEDURE: **Rwys 9, 27,** for climb in visual conditions: cross Tri-County Rgnl Airport at or above 1600 before proceeding on course.
NOTE: **Rwy 9,** terrain and trees beginning 23' from departure end of runway, 238' left of centerline, up to 100' AGL/1129' MSL. Road beginning 244' from departure end of runway, 330' left of centerline, up to 17' AGL/733' MSL. Terrain and trees beginning 18' from departure end of runway, 235' right of centerline, up to 100' AGL/722' MSL. **Rwy 27,** building 764' from departure end of runway, 386' left of centerline, up to 25' AGL/744' MSL. Tree 1381' from departure end of runway, 590' left of centerline, up to 70' AGL/785' MSL. Road beginning 245' from departure end of runway, on centerline, up to 12' AGL/731' MSL. Antennas and poles beginning 920' from departure end of runway, 372' right of centerline, up to 33' AGL/752' MSL. Trees and terrain beginning 2 NM from departure end of runway, 2658' right of centerline, up to 100' AGL/1199' MSL.

MACOMB, IL
MACOMB MUNI (MQB)
AMDT 1 89236 (FAA)
DEPARTURE PROCEDURE: **Rwy 18,** climb runway heading to 1700 before turning right. **Rwy 27,** climb runway heading to 1700 before turning left.

MADISON, WI
BLACKHAWK AIRFIELD (87Y)
ORIG 97338 (FAA)
TAKE-OFF MINIMUMS: **Rwy 27,** 300-2 or std. with a min. climb of 220' per NM to 1300.

DANE COUNTY RGNL-TRUAX FIELD (MSN)
AMDT 7 03219 (FAA)
DEPARTURE PROCEDURE: **Rwy 18,** (Southwest departures 200° CW 260°) climb via heading 182° to 3200 before proceeding on course. **Rwy 21,** (Southwest departures 200° CW 260°) climb via heading 209° to 3200 before proceeding on course.
NOTE: **Rwy 36,** tree 2700' from departure end of runway, 1097' right of centerline, 100' AGL/987' MSL.

MANITO, IL
MANITO MITCHELL (C45)
AMDT 2 82105 (FAA)
TAKE-OFF MINIMUMS: **Rwys 4, 36,** 300-1.

MANITOWOC, WI
MANITOWOC COUNTY (MTW)
AMDT 4 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 17,** 300-1½ or std. with a min. climb of 254' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 7,** climb heading 072° to 1200 before proceeding on course. **Rwy 25,** climb heading 252° to 1200 before proceeding on course.

NOTE: **Rwy 7,** tree 520' from DER, 279' left of centerline, 27' AGL/666' MSL. **Rwy 17,** stack 1.24 NM from DER, 1915' left of centerline, 310' AGL/893' MSL. Trees beginning 23' from DER, 16' left of centerline, up to 94' AGL/743' MSL. Trees beginning 1802' from DER, 76' right of centerline, up to 98' AGL/747' MSL. Flagpole 1234' from DER, 512' right of centerline, 36' AGL/695' MSL. Antenna 989' from DER, 511' right of centerline, 39' AGL/688' MSL. **Rwy 25,** tree 734' from DER, 321' right of centerline, 48' AGL/697' MSL. Tree 1870' from DER, 223' left of centerline, 63' AGL/722' MSL. Train on railroad, 744' from DER, on centerline, 23' AGL/676' MSL. **Rwy 35,** trees beginning 167' from DER, 477' right of centerline, up to 66' AGL/710' MSL. Tree 2012' from DER, 863' left of centerline, 67' AGL/716' MSL.

MARION, IL
WILLIAMSON COUNTY RGNL (MWA)
ORIG 05132 (FAA)

TAKE-OFF MINIMUMS: **Rwy 11,** 600-3 or std. with a min. climb of 222' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 11,** Climb via heading 107° to 1100 before turning left.

NOTE: **Rwy 2,** multiple trees beginning 291' from departure end of runway, 265' left of centerline, up to 106' AGL/543' MSL. **Rwy 11,** multiple poles beginning 802' from departure end of runway, 496' right of centerline, up to 75' AGL/518' MSL. Tree 1427' from departure end of runway, 594' right of centerline, 81' AGL/528' MSL. Tank 5216' from departure end of runway, 800' right of centerline, 164' AGL/601' MSL. Tower 3.16 NM from departure end of runway, 1.32 NM left of centerline, 490' AGL/980' MSL. **Rwy 20,** multiple trees beginning 1744' from departure end of runway, 823' right of centerline, up to 68' AGL/521' MSL. **Rwy 29,** wind sock 341' from departure end of runway, 291' left of centerline, 11' AGL/461' MSL. Multiple trees beginning 559' from departure end of runway, 360' right of centerline, up to 77' AGL/534' MSL. Theater screen 1488' from departure end of runway, 1346' right of centerline, 77' AGL/530' MSL.

MARSHFIELD, WI
MARSHFIELD MUNI (MFI)
ORIG 06271 (FAA)

NOTE: **Rwy 34,** multiple trees beginning 1412' from departure end of runway, 532' left of centerline, up to 60' AGL/1359' MSL.

MATTOON-CHARLESTON, IL
COLES COUNTY MEMORIAL (MTO)
AMDT 4 09351(FAA)

NOTE: **Rwy 11,** trees beginning 1842' from DER, 869' left of centelrine, up to 100' AGL/803' MSL.

MEDFORD, WI
TAYLOR COUNTY (MDZ)
AMDT 2 09071 (FAA)

NOTE: **Rwy 9,** trees beginning 1123' from DER, 561' left of centerline, up to 61' AGL/1540' MSL. Tree 2555' from DER, 592' right of centerline, 75' AGL/1544' MSL. **Rwy 16,** trees beginning 7' from DER, 248' left of centerline, up to 75' AGL/1524' MSL. Vehicle plus road beginning 33' from DER, 8' left of centerline, up to 15' AGL/1466' MSL. Vehicle plus road beginning 27' from DER, 93' right of centerline, up to 15' AGL/1462' MSL. **Rwy 27,** tower 2839' from DER, 1111' left of centerline, 150' AGL/1580' MSL. Trees beginning 1040' from DER, 49' left of centerline, up to 75' AGL/1526' MSL. Silo 1593' from DER, 789' right of centerline, 30' AGL/1499' MSL. Trees beginning 2008' from DER, 147' right of centerline, up to 68' AGL/1527' MSL. **Rwy 34,** terrain, trees and poles beginning 37' from DER, 187' right of centerline, up to 41' AGL/1510' MSL. Vehicle plus road beginning 490' from DER, 485' right of centerline, up to 15' AGL/1476' MSL.

MENOMONIE, WI
MENOMONIE MUNI-SCORE FIELD (LUM)
ORIG 96284 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9,18,27,36,** 300-1.

MERRILL, WI
MERRILL MUNI (RRL)
ORIG 07242 (FAA)

NOTE: **Rwy 7,** bush 55' from departure end of runway, 468' left of centerline, 5' AGL/1311' MSL. Pole 392' from departure end of runway, 512' right of centerline, 23' AGL/1329' MSL. Building 358' from departure end of runway, 451' right of centerline, 21' AGL/1327' MSL. Multiple trees beginning 905' from departure end of runway, from 727' right to 552' left of centerline, up to 91' AGL/1400' MSL. Multiple trees beginning 2597' from departure end of runway, from 22' right to 86' left of centerline, up to 82' AGL/1401' MSL. **Rwy 16,** multiple trees beginning 1587' from departure end of runway, on centerline, up to 100' AGL/1439' MSL. **Rwy 25,** bush 132' from departure end of runway, 494' right of centerline, 13' AGL/1331' MSL. Pole 1240' from departure end of runway, 778' left of centerline, 37' AGL/1356' MSL. Multiple trees beginning 1085' from departure end of runway, from 554' right to 359' left of centerline, up to 69' AGL/1388' MSL. **Rwy 34,** multiple trees beginning 49' from departure end of runway, from 33' right to 139' left of centerline, up to 100' AGL/1439' MSL.

MIDDLETON, WI
MIDDLETON MUNI-MOREY FIELD (C29)
AMDT 1 05356 (FAA)

TAKE-OFF MINIMUMS: **Rwy 28,** 300-1 or std. with a min. climb of 468' per NM to 1300. **Rwys 1, 19,** NA-turf.

DEPARTURE PROCEDURE: **Rwy 10,** climb via heading 101° to 2600 before proceeding on course. **Rwy 28,** climb via heading 281° to 2600 before proceeding on course.

NOTE: **Rwy 28,** multiple trees beginning 2067' from departure end of runway, 583' left of centerline, up to 60' AGL/1032' MSL.

MILWAUKEE, WI

GENERAL MITCHELL INTL (MKE)

AMDT 6 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7R,** 300-1½ or std. with a min. climb of 300' per NM to 1100. **Rwy 31,** 300-1½ or std. w/ a min. climb of 257' per NM to 1000.

NOTE: **Rwy 1R,** antenna, 581' from DER, 600' left of centerline, 46' AGL/719' MSL. Trees beginning 3210' from DER, 462' right of centerline, up to 100' AGL/795' MSL. **Rwy 1L,** fence beginning 148' from DER, 391' left of centerline, up to 4' AGL/679' MSL. Vehicle on road, 459' from DER, 577' left of centerline, 17' AGL/696' MSL. Pole, 575' from DER, 593' left of centerline, 6' AGL/689' MSL. Pole, 1859' from DER, 912' right of centerline, 18' AGL/734' MSL. Antenna, 1928' from DER, 1' right of centerline, 15' AGL/727' MSL. Pole, 2291' from DER, 937' right of centerline, 28' AGL/750' MSL. Tower, 2284' from DER, 463' right of centerline, 17' AGL/739' MSL. Pole, 2393' from DER, 683' right of centerline, 14' AGL/736' MSL. Trees, beginning 2492' from DER, 971' left of centerline, up to 54' AGL/780' MSL. Trees, beginning 2816' from DER, 154' right of centerline, up to 100' AGL/799' MSL. **Rwy 7R,** multiple poles beginning 457' from DER, 456' right of centerline, up to 36' AGL/709' MSL. Train on track, 566' from DER, 12' right of centerline, up to 23' AGL/734' MSL. Multiple poles beginning 801' from DER, 199' left of centerline, up to 38' AGL/711' MSL. Trees, beginning 1211' from DER, 186' right of centerline, up to 100' AGL/779' MSL. Tree, 2192' from DER, 456' left of centerline, 66' AGL/742' MSL. Stack, 1.12 NM from DER, 2171' right of centerline, 210' AGL/926' MSL. Stack, 1.21 NM from DER, 1164' left of centerline, 180' AGL/891' MSL. **Rwy 7L,** hanger, 319' from DER, 456' right of centerline, 13' AGL/696' MSL. Tree, 730' from DER, 675' left of centerline, 100' AGL/779' MSL. Pole, 1727' from DER, 194' left of centerline, 55' AGL/751' MSL. Tower, 1864' from DER, 48' left of centerline, 30' AGL/742' MSL. **Rwy 13,** multiple light poles, beginning 379' from DER, 156' left of centerline, up to 36' AGL/709' MSL. Multiple light poles beginning 858' from DER, 144' right of centerline, up to 36' AGL/709' MSL. Train on track, 556' from DER, 405' left of centerline, 23' AGL/734' MSL. Multiple trees beginning 1222' from DER, 206' left of centerline, up to 100' AGL/779' MSL. Multiple trees beginning 1067' from DER, 406' right of centerline, up to 100' AGL/770' MSL. **Rwy 19L,** tree, 1785' from DER, 863' left of centerline, 100' AGL/779' MSL. Rod on glide slope antenna, 1837' from DER, 559' right of centerline, 63' AGL/749' MSL. **Rwy 19R,** tree, 778' from DER, 647' right of centerline, 100' AGL/809' MSL. Vehicle on road, 398' from DER, 588' left of centerline, 17' AGL/726' MSL. **Rwy 25L,** tree, 1072' from DER, 757' left of centerline, 100' AGL/829' MSL. Tower, 3330' from DER, 1222' right of centerline, 57' AGL/812' MSL. **Rwy 25R**, flag pole, 603' from DER, 336' left of centerline, 36' AGL/709' MSL. Hangar, 625' from DER, 363' right of centerline, 26' AGL/702' MSL. Tree, 855' from DER, 401' right of centerline, 100' AGL/779' MSL. Tree, 1297' from DER, 187' left of centerline, 30' AGL/716' MSL. Pole, 1605' from DER, 301' right of centerline, 47' AGL/720' MSL.

GENERAL MITCHELL INTL (CON'T)

Rwy 31, fence, 197' from DER, 244' right of centerline, 7' AGL/681' MSL. Sign, 219' from DER, 449' right of centerline, 50' AGL/730' MSL. Multiple light poles beginning 265' from DER, 69' right of centerline, up to 30' AGL/706' MSL. Multiple light poles beginning 687' from DER, 112' left of centerline, up to 30' AGL/703' MSL. Hangar, 438' from DER, 564' left of centerline, 50' AGL/722' MSL. Pole, 1351' from DER, 340' right of centerline, 46' AGL/735' MSL. Multiple trees, beginning 1504' from DER, 258' right of centerline, up to 100' AGL/775' MSL. Multiple trees, beginning 1122' from DER, 391' left of centerline, up to 100' AGL/768' MSL. Pole, 2629' from DER, 344' right of centerline, 165' AGL/758' MSL. Tank, 1.10 NM from DER, 742' right of centerline, 165' AGL/885' MSL.

LAWRENCE J. TIMMERMAN (MWC)

ORIG 93035 (FAA)

DEPARTURE PROCEDURE: **Rwys 4L, 4R, 15L/R,** climb to 2100 before turning east.

MINOCQUA-WOODRUFF, WI

LAKELAND/NOBLE F. LEE MEMORIAL FIELD (ARV)

ORIG 09351 (FAA)

NOTE: **Rwy 10,** trees beginning 239' from DER, 545' right of centerline, up to 100' AGL/1729' MSL. Trees beginning 424' from DER, 576' left of centerline, up to 100' AGL/1729' MSL. **Rwy 18,** trees beginning 785' from DER, 482' right of centerline, up to 100' AGL/1729' MSL. Trees beginning 825' from DER, 506' left of centerline, up to 100' AGL/1729' MSL. **Rwy 28,** trees beginning 659' from DER, 564' right of centerline, up to 100' AGL/1729' MSL. Trees beginning 474' from DER, 432' left of centerline, up to 100' AGL/1729' MSL. **Rwy 36,** trees and windsock beginning 157' from DER, 5' right of centerline, up to 96' AGL/1725' MSL. Trees beginning 1280' from DER, 29' left of centerline, up to 100' AGL/1749' MSL.

MOLINE, IL

QUAD-CITY INTL (MLI)

AMDT 9 04330 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9,** 300-1 or std. with a min. climb of 220' per NM to 800. **Rwy 13,** 300-1¼ or std. with a min. climb of 250' per NM to 900. **Rwy 23,** 300-1 or std. with a min. climb of 285' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 5,** climb via heading 048° to 3000 before turning left. **Rwy 9,** climb via heading 090° to 1600 before turning. **Rwy 13,** climb via heading 126° to 1600 before turning. **Rwy 23,** climb via heading 228° to 1600 before turning. **Rwy 27,** climb via heading 270° to 1600 before turning. **Rwy 31,** climb via heading 306° to 3000 before turning right.

NOTE: **Rwy 9,** trees 4800' from departure end of runway, 1472' right of centerline, 30' AGL/740' MSL. **Rwy 13,** trees beginning 5117' from departure end of runway, 1351' right of centerline, up to 50' AGL/775' MSL. **Rwy 23,** numerous trees beginning 3423' from departure end of runway, 292' left of centerline, up to 50' AGL/757' MSL.

MONEE, IL
BULT FIELD (C56)
ORIG 09071 (FAA)
NOTE: **Rwy 9,** vehicle on road 145' from DER, on centerline, 15' AGL/785' MSL. **Rwy 27,** vehicle on road 150' from DER, on centerline, 15' AGL/797' MSL. Metal chimney 305' from DER, 210' left of centerline, 29' AGL/812' MSL. Tree 367' from DER, 161' left of centerline, 40' AGL/819' MSL. Pole barn 421' from DER, 202' left of centerline, 22' AGL/801' MSL. Trees beginning 1484' from DER, 223' right of centerline, up to 100' AGL/859' MSL.

MONMOUTH, IL
MONMOUTH MUNI (C66)
AMDT 2 93231 (FAA)
TAKE-OFF MINIMUMS: **Rwy 20,** 400-2.

MONROE, WI
MONROE MUNI (EFT)
AMDT 2 09127 (FAA)
NOTE: **Rwy 2,** vehicle on road 926' from DER, left and right of centerline, up to 17' AGL/1116' MSL. Trees beginning 182' from DER, 175' right of centerline, up to 100' AGL/1169' MSL. **Rwy 12,** trees beginning 1234' from DER, 655' right of centerline, up to 100' AGL/1189' MSL. **Rwy 20,** trees beginning 712' from DER, 288' right of centerline, up to 100' AGL/1129' MSL. **Rwy 30,** trees beginning 1918' from DER, 87' right of centerline, up to 100' AGL/1209' MSL. Vehicle on road 1166' from DER, 157' right of centerline, up to 17' AGL/1126' MSL.

MORRIS, IL
MORRIS MUNI - JAMES R. WASHBURN FIELD (C09)
ORIG 08325 (FAA)
TAKE-OFF MINIMUMS: **Rwy 18,** 400-2 or std. w/ min. climb of 320' per NM to 1000.
NOTE: **Rwy 18,** tree 511' from departure end of runway, 607' right of centerline, 100' AGL/659' MSL. Tower 8810' from departure end of runway, 647' right of centerline, 290' AGL/840' MSL. **Rwy 36,** trees beginning 1562' from departure end of runway, 758' right of centerline extending to 722' left of centerline, 100' AGL/679' MSL.

MOSINEE, WI
CENTRAL WISCONSIN (CWA)
ORIG 85185 (FAA)
TAKE-OFF MINIMUMS: **Rwy 35,** 300-1.
DEPARTURE PROCEDURE: **Rwy 35,** (northbound departures 350° CW 045°) climbing left turn to 3500 via AUW R-270 before turning on course.

MOUNT CARMEL, IL
MOUNT CARMEL MUNI (AJG)
ORIG 97338 (FAA)
TAKE-OFF MINIMUMS: **Rwy 22,** 300-1 or std. with a min. climb of 340' per NM to 700.

MOUNT STERLING, IL
MOUNT STERLING MUNI (I63)
ORIG 09183 (FAA)
NOTE: **Rwy 18,** trees beginning 1555' from DER, 309' right of centerline, up to 95' AGL/784' MSL. Tree 2243' from DER, 856' left of centerline, 100' AGL/819' MSL. **Rwy 36,** vehicle on road and pole 686' from DER, 486' right of centerline, up to 60' AGL/779' MSL. Vehicle on road and trees beginning 679' from DER, 365' left of centerline, up to 100' AGL/839' MSL.

MOUNT VERNON, IL
MOUNT VERNON (MVN)
ORIG 07074 (FAA)
DEPARTURE PROCEDURE: **Rwy 33,** climb via heading 331° to 1300 before turning left.
NOTE: **Rwy 5,** multiple trees beginning 1615' from departure end of runway, 7' left of centerline, up to 134' AGL/602' MSL, antenna 2477' from departure end of runway, 990' right of centerline, 79' AGL/547' MSL, tree 3329' from departure end of runway, 519' right of centerline, 98' AGL/566' MSL. **Rwy 15,** multiple trees beginning 712' from departure end of runway, 17' right of centerline, up to 71' AGL/529' MSL, tree 908' from departure end of runway, 465' left of centerline, 70' AGL/527' MSL, railroad 608' from departure end of runway, 159' right of centerline, 23' AGL/479' MSL, road 564' from departure end of runway, 3' right of centerline, 15' AGL/472' MSL. **Rwy 23,** multiple trees beginning 1705' from departure end of runway, 102' right of centerline, up to 72' AGL/539' MSL, tree 1797' from departure end of runway, 158' left of centerline, 57' AGL/524' MSL, railroad 238' from departure end of runway, 500' left of centerline, 23' AGL/485' MSL, multiple roads beginning 12' from departure end of runway, 367' left of centerline, up to 15' AGL/479' MSL, fencepost 291' from departure end of runway, 426' right of centerline, 9' AGL/476' MSL. **Rwy 33,** multiple trees beginning 696' from departure end of runway, 130' right of centerline, up to 93' AGL/573' MSL, multiple trees beginning 689' from departure end of runway, 216' left of centerline, up to 105' AGL/585' MSL.

NEW LISBON, WI
MAUSTON-NEW LISBON UNION (82C)
ORIG 97198 (FAA)
TAKE-OFF MINIMUMS: **Rwys 14, 32**, 400-1 or std. with a min. climb of 220' per NM to 1400.

NEW RICHMOND, WI
NEW RICHMOND RGNL (RNH)
ORIG 07354 (FAA)
NOTE: **Rwy 14,** multiple trees beginning 810' from departure end of runway, 230' left of centerline, up to 100' AGL/1099' MSL. Vehicle on road 502' from departure end of runway, 612' left of centerline, 15' AGL/1014' MSL. **Rwy 32,** vehicle on road 425' from departure end of runway, 591' left of centerline, 15' AGL/1014' MSL. Multiple trees beginning 1460' from departure end of runway, 443' right of centerline, up to 100' AGL/1099' MSL.

OSCEOLA, WI

L.O. SIMENSTAD MUNI (OEO)
ORIG 07074 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22,** NA-environmental.

NOTE: **Rwy 10,** multiple trees beginning 9951' from departure end of runway, 3135' right of centerline, up to 100' AGL/1159' MSL. Multiple trees beginning 1785' from departure end of runway, 932' left of centerline, up to 100' AGL/1149' MSL.**Rwy 28,** multiple trees beginning 3534' from departure end of runway, 1277' right of centerline, up to 100' AGL/979' MSL. Truck on road beginning 421' from departure end of runway 71' left of centerline, 15' AGL/904' MSL.

OSHKOSH, WI

WITTMAN RGNL (OSH)
ORIG 08157 (FAA)

NOTE: **Rwy 4,** vehicle on road 450' from departure end of runway, on centerline, 15' AGL/794' MSL. Trees beginning 577' from departure end of runway, 66' right of centerline, up to 41' AGL/810' MSL. Trees beginning 1053' from departure end of runway, 391' left of centerline, up to 100' AGL/869' MSL. **Rwy 9**, vehicle on road 620' from departure end of runway, on centerline, 15' AGL/794' MSL. Trees and hanger beginning 223' from departure end of runway, 192' right of centerline, up to 104' AGL/863' MSL. Trees, poles beginning 546' from departure end of runway, 280' left of centerline, up to 93' AGL/852' MSL. **Rwy 13,** trees, buildings and poles beginning 503' from departure end of runway, 3' right of centerline, up to 100' AGL/889' MSL. Trees 400' from departure end of runway, 350' left of centerline, 72' AGL/841' MSL. **Rwy 22,** vehicle on road 830' from departure end of runway, on centerline, 15' AGL/814' MSL. Trees and pole beginning 530' from departure end of runway, 193' right of centerline, up to 100' AGL/919' MSL. Antenna and airport beacon on ATCT 1689' from departure end of runway, 869' left of centerline, 88' AGL/883' MSL **Rwy 27,** trees 1063' from departure end of runway, 583' right of centerline, up to 100' AGL/919' MSL. Trees and trafflc signal 2505' from departure end of runway, 307' left of centerline, 100' AGL/949' MSL. **Rwy 31,** trees and antenna on building beginning 1133' from departure end of runway, 347' right of centerline, up to 100' AGL/889' MSL. Trees beginning 3860' from departure end of runway, 1,472' left of centerline, up to 100' AGL/909' MSL. **Rwy 36,** antenna on building 551' from departure end of runway, 263' right of centerline, 14' AGL/803' MSL.

PARIS, IL

EDGAR COUNTY (PRG)
ORIG 07354 (FAA)

NOTE: **Rwy 9,** trees beginning 1923' from departure end of runway, on centerline, up to 100' AGL/744' MSL. **Rwy 27,** elevator 1301' from departure end of runway, 255' left of centerline, 50' AGL/711' MSL. Trees beginning 1301' from departure end of runway, 255' left of centerline, up to 100' AGL/754' MSL. Trees beginning 366' from departure end of runway, 295' right of centerline, up to 100' AGL/759' MSL.

PARK FALLS, WI

PARK FALLS MUNI (PKF)
ORIG 99028 (FAA)

DEPARTURE PROCEDURE: **Rwys 18, 36,** climb runway heading to 3400 before turning east.

PAXTON, IL

PAXTON (1C1)
ORIG 86184 (FAA)

DEPARTURE PROCEDURE: **Rwy 18,** climb runway heading to 2400 before turning left. **Rwy 36,** climb runway heading to 2400 before turning right.

PEKIN, IL

PEKIN MUNI (CI5)
ORIG 08269 (FAA)

NOTE: **Rwy 9,** trees beginning 62' from departure end of runway, 411' right of centerline, up to 63' AGL/583' MSL. Poles beginning 819' from departure end of runway, 388' left of centerline, up to 32' AGL/552' MSL. Poles beginning 824' from departure end of runway, 411' right of centerline, up to 34' AGL/554' MSL. **Rwy 27,** rising terrain 718' from departure end of runway, 103' left of centerline, up to 550' MSL.

PEORIA, IL

GREATER PEORIA RGNL (PIA)
ORIG 05076 (FAA)

DEPARTURE PROCEDURE: **Rwy 13,** climb via heading 126° to 1400 before turning left.

NOTE: **Rwy 4,** tank 5023' from departure end of runway, 1616' left of centerline, 131' AGL/781' MSL. Multiple trees beginning 1425' from departure end of runway, 573' left of centerline, up to 91' AGL/740' MSL. **Rwy 13,** multiple trees beginning 990' from departure end of runway, 582' left of centerline, up to 45' AGL/676' MSL. Tower 4.5 miles from departure end of runway, 2.5 NM left of centerline, 656' AGL/1340' MSL. **Rwy 22,** tree 1475' from departure end of runway, 554' right of centerline, 54' AGL/693' MSL. Tree 1475' from departure end of runway, 669' right of centerline, 64' AGL/694' MSL. **Rwy 31,** tree 5039' from departure end of runway, 252' right of centerline, 60' AGL/769' MSL. Multiple trees beginning 1196' from departure end of runway, 252' right of centerline, up to 69' AGL/769' MSL.

MOUNT HAWLEY AUXILIARY (3MY)
AMDT 2 09239 (FAA)

NOTE: **Rwy 18,** train on railroad tracks 161' from DER, 414' right of centerline, 23' AGL/802' MSL. Fence 366' from DER, 388' left of centerline, 5' AGL/784' MSL. Trees beginning 369' from DER, 21' left of centerline, up to 54' AGL/833' MSL. Trees beginning 404' from DER, 17' right of centerline, up to 74' AGL/853' MSL. Rooflines beginning 708' from DER, 215' left of centerline, 22' AGL/801' MSL. Peaks beginning 714' from DER, 225' left of centerline, 30' AGL/809' MSL. **Rwy 36,** rooflines beginning 205' from DER, 438' right of centerline, 18' AGL/797' MSL. Peaks beginning 239' from DER, 374' right of centerline, up to 37' AGL/816' MSL. Light poles beginning 249' from DER, 390' right of centerline, up to 66' AGL/845' MSL.

PERU, IL

ILLINOIS VALLEY RGNL-WALTER A. DUNCAN FIELD (VYS)
ORIG 06103 (FAA)

DEPARTURE PROCEDURE: **Rwy 18,** climb via heading 195° to 1400 before turning east.

PHILLIPS, WI
PRICE COUNTY (PBH)
ORIG 97086 (FAA)
TAKE-OFF MINIMUMS: **Rwy 1,** 300-1 or std. with climb of 240' per NM to 1800.

PLATTEVILLE, WI
PLATTEVILLE MUNI (PVB)
ORIG 09239 (FAA)
NOTE: **Rwy 7,** vehicle on road beginning 499' from DER, left to right of centerline, up to 15' AGL/1053' MSL. Pavilion 250' from DER, 345' left of centerline, 17' AGL/1039' MSL. Poles beginning 208' from DER, 438' left of centerline, up to 37' AGL/1059' MSL. Trees beginning 224' from DER, 17' right of centerline, up to 47' AGL/1069' MSL. Trees beginning 257' from DER, 222' left of centerline, up to 29' AGL/1051' MSL. **Rwy 25,** tree 91' from DER, 277' left of centerline, 21' AGL/1020' MSL. Trees beginning 57' from DER, 325' right of centerline, up to 10' AGL/1009' MSL. **Rwy 15,** tree 1145' from DER, 620' right of centerline, 52' AGL/1073' MSL. Trees beginning 61' from DER, 208' left of centerline, up to 11' AGL/1032' MSL.

PONTIAC, IL
PONTIAC MUNI (PNT)
ORIG 08213 (FAA)
NOTE: **Rwy 24,** multiple buildings beginning 766' from departure end of runway, 60' left of centerline, up to 28' AGL/672' MSL. Tree 2226' from departure end of runway, 1040' right of centerline, 100' AGL/744' MSL. Multiple light poles beginning 3635' from departure end of runway, 262' right of centerline, up to 130' AGL/774' MSL.

POPLAR GROVE, IL
POPLAR GROVE (C77)
ORIG 99308 (FAA)
TAKE-OFF MINIMUMS: **Rwy 30,** 300-1 or std. with a min. climb of 310' per NM to 1000. **Rwys 9, 12, 17, 27, 35,** NA.

PORTAGE, WI
PORTAGE MUNI (C47)
AMDT 1 83286 (FAA)
TAKE-OFF MINIMUMS: **Rwys 17, 22,** 300-1 or std. with a min. climb of 265' per NM to 1000.

PRAIRIE DU CHIEN, WI
PRAIRIE DU CHIEN MUNI (PDC)
AMDT 3 02332 (FAA)
TAKE-OFF MINIMUMS: **Rwy 29,32,** 800-2 or std. with a min. climb of 289' per NM to 1700.
DEPARTURE PROCEDURE: **Rwys 11,29,14,32,** climb to 2000 before turning on course.
NOTE: **Rwy 29,** tower 9416' right of departure end of runway,300'AGL/1440'MSL.

PRAIRIE DU SAC, WI
SAUK-PRAIRIE (91C)
ORIG 07354 (FAA)
TAKE-OFF MINIMUMS: **Rwy 36,** std. w/ min. climb gradient of 221' per NM to 1700 or 1000-3 for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 36,** climb heading 357° to 1700 before turning or for climb in visual conditions cross Sauk-Prairie Airport at or above 1700 MSL before proceeding on course.
NOTE: **Rwy 18,** utility pole, 330'from departure end of runway, 325' right of centerline, 19' AGL/839' MSL. Trees beginning 802' from departure end of runway, 175' left of centerline, up to 100' AGL/919' MSL. Trees beginning 921' from departure end of runway, on centerline, up to 100' AGL/929' MSL. **Rwy 36,** navigation light top 15' from departure end of runway, 35' right of centerline, 2' AGL/833' MSL. Navigation light top 16' from departure end of runway, 60' left of centerline, 3' AGL/834' MSL. Silo top 855' from departure end of runway, 414' left of centerline, up to 33' AGL/864' MSL. Trees beginning 967' from departure end of runway, 611' left of centerline, up to 60' AGL/891' MSL.

QUINCY, IL
QUINCY RGNL-BALDWIN FIELD (UIN)
ORIG 07242 (FAA)
NOTE: **Rwy 4,** multiple trees beginning 1041' from departure end of runway, 707' right of centerline, up to 68' AGL/797' MSL. Tree 1128' from departure end of runway, 623' right of centerline, 43' AGL/775' MSL. **Rwy 18,** multiple trees beginning 1720' from departure end of runway, 534' left of centerline, up to 100' AGL/849' MSL. **Rwy 22,** tree 586' from departure end of runway, 636' right of centerline, 67' AGL/796' MSL. **Rwy 36,** multiple trees beginning 4' from departure end of runway, 165' right of centerline, up to 91' AGL/820' MSL.

RACINE, WI
JOHN H. BATTEN (RAC)
AMDT 4 84243 (FAA)
TAKE-OFF MINIMUMS: **Rwys 4, 22,** 300-1.

RANTOUL, IL
RANTOUL NATL AVN CNTR-FRANK ELLIOTT FLD (TIP)
ORIG 08101 (FAA)
NOTE: **Rwy 9,** Rising terrain 84' from departure end of runway, 149' right of centerline, up to 732' MSL.

REEDSBURG, WI
REEDSBURG MUNI (C35)
AMDT 1 85325 (FAA)
TAKE-OFF MINIMUMS: **Rwy 18,** 400-1. **Rwy 36,** 300-1.
DEPARTURE PROCEDURE: **Rwy 25,** climb to 2300 on runway heading before turning northbound. **Rwy 36,** climb to 2300 on runway heading before turning westbound.

RHINELANDER, WI
RHINELANDER-ONEIDA COUNTY (RHI)
AMDT 3 98225 (FAA)
DEPARTURE PROCEDURE: **Rwys 9, 15,** climb runway heading to 3900 before turning north.

RICE LAKE, WI

RICE LAKE RGNL-CARL'S FIELD (RPD)
ORIG 05132 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1,** std. with a min. climb of 231' per NM to 2200, or 1200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 1,** for climb in visual conditions: Cross Rice Lake Rgnl-Carl's Field at or above 2300. **Rwy 31,** climb via heading 310° to 1900 before turning left.

NOTE: **Rwy 13,** trees 1550' from departure end of runway, 200' right of centerline, 67' AGL/1167' MSL. **Rwy 19,** trees 2780' from departure end of runway, 200' left of centerline, 73' AGL/1169' MSL. **Rwy 31,** trees 1480' from departure end of runway, 50' right of centerline, 64' AGL/1156' MSL.

RICHLAND CENTER, WI

RICHLAND (93C)
AMDT 1A 07241 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9,17,** NA. **Rwy 27,** 400-2 or std. with a min. climb of 491' per NM to 1300. **Rwy 35,** 300-1 or std. with a min. climb of 222' per NM to 1800.

ROBINSON, IL

ROBINSON MUNI (RSV)
ORIG 08269 (FAA)

NOTE: **Rwy 9,** trees 2285' from departure end of runway, 474' right of centerline, 60' AGL/516' MSL. Trees 971' from departure end of runway, 594' left of centerline, 58' AGL/517' MSL. **Rwy 17,** tree 2493' from departure end of runway, 521' right of centerline, 100' AGL/589' MSL. **Rwy 27,** trees beginning at 178' from departure end of runway, 358' right of centerline, up to 78' AGL/547' MSL. Trees beginning at 2190' from departure end of runway, 89' left of centerline, 98' AGL/567' MSL. **Rwy 35,** road with vehicle 693' from departure end of runway, 611' right of centerline, 15' AGL/474' MSL. Tree 1545' from departure end of runway, 841' left of centerline, 100' AGL/554' MSL.

ROCHELLE, IL

ROCHELLE MUNI AIRPORT-KORITZ FIELD (RPJ)
AMDT 3 03191 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7,** 800-1 or std. with a min. climb of 433' per NM to 1800.

NOTE: **Rwy 7,** tower 3415' from departure end of runway, 1135' right of centerline, 120' AGL/924' MSL. Tower, 3.66 NM from departure end of runway, 2020' left of centerline, 625' AGL/1463' MSL.

ST. JACOB, IL

ST LOUIS METRO-EAST/ SHAFER FIELD (3K6)
ORIG 87155 (FAA)

TAKE-OFF MINIMUMS: **Rwy 13,** 300-1.

SALEM, IL

SALEM-LECKRONE (SLO)
AMDT 6 01193 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18,** 300-2 or std. with a min. climb of 280' per NM to 900.

SHAWANO, WI

SHAWANO MUNI (EZS)
AMDT 2 07242 (FAA)

TAKE-OFF MINIMUMS: **Rwy 11,** 600-3 or std. w/ min. climb of 329' per NM to 1600. **Rwy 17,** 300-2 or std. w/ min. climb of 245' per NM to 1200. **Rwy 29,** 300-1½ or std. w/ min. climb of 248' per NM to 1100.

NOTE: **Rwy 11,** tower 2.3 NM from departure end of runway, 3006' right of centerline, 222' AGL/1240' MSL. Multiple trees beginning 1700' from departure end of runway, 389' left to 2432' right of centerline, up to 100' AGL/1149' MSL. **Rwy 17,** multiple trees beginning 1710' from departure end of runway, 2951' left to 1292' right of centerline, up to 100' AGL/1059' MSL. Elevator 5839' from departure end of runway, 738' right of centerline, 149' AGL/979' MSL. **Rwy 29,** multiple trees beginning 649' from departure end of runway, 1052' left to 1117' right of centerline, up to 100' AGL/929' MSL. Vehicle on road 538' from departure end of runway, crossing left to right 17' AGL/826' MSL. Water tank 1.1 NM from departure end of runway, 1310' right of centerline, 175' AGL/1019' MSL. **Rwy 35,** ships 1007' from departure end of runway, left to right of centerline, up to 60' AGL/869' MSL. Vehicle on road 580' from departure end of runway, left to right of centerline, up to 15' AGL/824' MSL. Multiple trees beginning 2200' from departure end of runway, 724' left of centerline, up to 100' AGL/909' MSL.

SHEBOYGAN, WI

SHEBOYGAN COUNTY MEMORIAL (SBM)
AMDT 1 09351 (FAA)

NOTE: **Rwy 13,** vehicle on road 744' from DER, west to east, 15' AGL/764' MSL. Trees beginning 302' from DER, 105' left of centerline, up to 56' AGL/796' MSL. **Rwy 21,** vehicle on road 143' from DER, east to northwest, 15' AGL/774' MSL. Tree 230' from DER, 377' right of centerline, 27' AGL/767' MSL. Trees 1475' from DER, 291' right of centerline, 92' AGL/792' MSL. Tower 5414' from DER, 1625' right of centerline, 133' AGL/883' MSL. Obstruction light on localizer, 157' from DER, 4' left of centerline, 11' AGL/750' MSL. Trees 1709' from DER, 35' left of centerline, 83' AGL/794' MSL. **Rwy 31,** pole 405' from DER, 40' right of centerline, 27' AGL/777' MSL. Trees 70' from DER, 352' right of centerline, 56' AGL/806' MSL. Trees 1345' from DER, 482' right of centerline, 76' AGL/826' MSL. Trees 2227' from DER, 17' right of centerline, 71' AGL/821' MSL. Trees 1604' from DER, 32' left of centerline, 92' AGL/842' MSL. Tower 4606' from DER, 920' left of centerline, 139' AGL/889' MSL.

SHELL LAKE, WI

SHELL LAKE MUNI (SSQ)
ORIG 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,** 200-1¼ or std. w/ min climb of 238' per NM to 1500, or alternatively with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2000' prior to departure end of runway. **Rwy32,** 200-1 ¼ or std. w/ min climb of 235' per NM to 1500, or alternatively with standard takeoff minimums and normal 200'/NM climb gradient, takeoff must occur no later than 2000' prior to departure end of runway.

NOTE: **Rwy 14,** Vehicle and road 91' from departure end of runway, 167' left of centerline, up to 15' AGL/1244' MSL. Trees beginning 147' from departure end of runway, 89' right of centerline up to 100' AGL/1409' MSL. Vehicle and road 218' from departure end of runway, 144' right of centerline, up to 15' AGL/1244' MSL. Trees beginning 358' from departure end of runway, 306' left of centerline up to 100' AGL/1329' MSL. **Rwy 32,** vehicle and road 84' from departure endof runway, 3' left of centerline, up to 15' AGL/1264' MSL. Railroad 347' from departure end of runway, 56' left of centerline, up to 23' AGL/1272' MSL. Vehicle and road 745' from departure end of runway 30' right of centerline, up to 15' AGL/1274' MSL. Railroad 827' from departure end runway, 686' right of centerline, up to 23' AGL/1272' MSL. Trees 2467' from departure end of runway, 853' right of centerline, up to 100' AGL/1349' MSL. Trees 2645' from departure end of runway, 100' left of centerline, up to 100' AGL/1419' MSL.

SPARTA, IL

SPARTA COMMUNITY-HUNTER FIELD (SAR)
ORIG 04106 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18,** 300-1.

SPARTA, WI

SPARTA/FORT MC COY (CMY)
AMDT 1 90123 (FAA)

DEPARTURE PROCEDURE: **Rwys 1, 11, 29,** climb on runway heading to 1400' before turning on course.

SPRINGFIELD, IL

ABRAHAM LINCOLN CAPITAL (SPI)
ORIG 05300 (FAA)

NOTE: **Rwy 4,** multiple trees beginning 1456' from departure end of runway, 734' left of centerline, up to 59' AGL/650' MSL. **Rwy 13,** bush 342' from departure end of runway, 299' right of centerline, 43' AGL/592' MSL. **Rwy 18,** tower 1702' from departure end of runway, 778' right of centerline, 100' AGL/659' MSL. Multiple trees beginning 1503' from departure end of runway, 283' right of centerline, up to 98' AGL/660' MSL. Building 2.53 NM form departure end of runway, 1.2 NM left of centerline, 405' AGL/1000' MSL. **Rwy 31,** multiple trees beginning 1641' from departure end of runway, 619' left of centerline, up to 81' AGL/665' MSL. **Rwy 36,** multiple trees beginning 1873' from departure end of runway, 470' left of centerline, up to 79' AGL/670' MSL. Rod on tower 2397' from departure end of runway, 501' right of centerline, 55' AGL/653' MSL.

STERLING-ROCKFALLS, IL

WHITESIDE COUNTY-JOSEPH H. BITTORF FIELD (SQI)
ORIG 08325 (FAA)

NOTE: **Rwy 7,** elevator 3095' from departure end of runway, 1099' right of centerline, 91' AGL/741' MSL. **Rwy 18,** vehicle on roadway 736' from departure end of runway, on centerline, 15' AGL/664' MSL. Tree 1012' from departure end of runway, 288' left of centerline, 35' AGL/680' MSL. Tree 787' from departure end of runway, 120' right of centerline, 29' AGL/669' MSL. Multiple trees beginning 3619' from departure end of runway, 944' left of centerline, up to 100' AGL/769' MSL. **Rwy 25,** multiple trees beginning 1308' from departure end of runway, 22' left of centerline, up to 82' AGL/732' MSL. Multiple trees beginning 666' from departure end of runway, 42' right of centerline, up to 80' AGL/720' MSL. **Rwy 36,** vehicle on roadway, 575' from departure end of runway, on centerline, 17' AGL/668' MSL. Tree 564' from departure end of runway, 103' right of centerline, 11' AGL/662' MSL.

STEVENS POINT, WI

STEVENS POINT MUNI (STE)
ORIG 09015 (FAA)

NOTE: **Rwy 3,** trees beginning 1175' from departure end of runway, 649' left of centerline, 54' AGL/1173' MSL. Tree 2693' from departure end of runway, 556' right of centerline, 62' AGL/1181' MSL. **Rwy 21,** trees beginning 1127' from departure end of runway, 119' right of centerline, up to 100' AGL/1209' MSL. Trees beginning 1247' from departure end of runway, 151' left of centerline, up to 45' AGL/1153' MSL. **Rwy 12,** poles beginning 177' from departure end of runway, 197' right of centerline, up to 37' AGL/1126' MSL. Trees beginning 757' from departure end of runway, 27' right of centerline, up to 95' AGL/1204' MSL. Trees beginning 958' from departure end of runway, 112' left of centerline, up to 87' AGL/1196' MSL. **Rwy 30,** building 217' from departure end of runway, 535' left of centerline, 30' AGL/1139' MSL. Vehicle and road 499' from departure end of runway, on centerline, 15' AGL/1124' MSL. Trees beginning 848' from departure end of runway, 66' left of centerline, up to 87' AGL/1206' MSL. Trees beginning 869' from departure end of runway, 139' right of centerline, up to 81' AGL/1210' MSL.

STURGEON BAY, WI

DOOR COUNTY CHERRYLAND (SUE)
ORIG 07242 (FAA)

DEPARTURE PROCEDURE: **Rwy 2,** climb heading 016° to 1700 before turning east.

NOTE: **Rwy 2,** 100' tree 1.4 NM from departure end of runway, 2674' left of centerline, 100' AGL/839' MSL. **Rwy 10,** 130' boat 5128' from departure end of runway, on centerline, 130' AGL/710' MSL. **Rwy 20,** multiple trees, antennas, vehicle on road, poles beginning 121' from departure end of runway, 374' right of centerline, 90' AGL/802' MSL. Multiple poles and trees beginning 320' from departure end of runway, 250' left of centerline, 81' AGL/797' MSL. **Rwy 28,** vehicle on road 355' from departure end of runway, on centerline, 15' AGL/734' MSL.

SUPERIOR, WI

RICHARD I. BONG (SUW)
AMDT 5 98281 (FAA)

DEPARTURE PROCEDURE: **Rwy 3,** climb runway heading to 2500 before turning west. **Rwy 31,** climb runway heading to 2500 before turning north.

TAYLORVILLE, IL

TAYLORVILLE MUNI (TAZ)
ORIG 05300 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27,** NA-no survey data.

NOTE: **Rwy 18,** numerous trees 1000' from departure end of runway, from 335' left of centerline to 1150' right of centerline, up to 100' AGL/719' MSL. **Rwy 36,** numerous trees 1580' from departure end of runway, from 20' left of centerline to 570' right of centerline, up to 100' AGL/724' MSL.

TOMAHAWK, WI

TOMAHAWK RGNL (TKV)
ORIG 08269 (FAA)

NOTE: **Rwy 9,** tree 1' from departure end of runway, 402' left of centerline, 8' AGL/1487' MSL. Building 18' from departure end of runway, 439' right of centerline, 16' AGL/1505' MSL. Building 90' from departure end of runway, 440' right of centerline, 16' AGL/1505' MSL. Tree 593' from departure end of runway, 389' right of centerline, 36' AGL/1515' MSL. **Rwy 27,** tree 464' from departure end of runway, 443' right of centerline, 63' AGL/1522' MSL. Vehicle on road 83' from departure end of runway, 439' right of centerline, 15' AGL/1479' MSL. Tree 1965' from departure end of runway, 665' left of centerline, 60' AGL/1539' MSL. Wind cone 4' from departure end of runway, 400' left of centerline, 16' AGL/1495' MSL.

VIROQUA, WI

VIROQUA MUNI (Y51)
ORIG-A 07298 (FAA)

TAKE-OFF MINIMUMS: **Rwys 2, 20,** NA-unsurveyed turf runways. **Rwy 11,** NA. Obstacle.

VOLK FIELD (KVOK)

CAMP DOUGLAS, WI. 07186

TAKE-OFF OBSTACLES: **Rwy 27**: Trees 80' AGL/1019' MSL, 2537' from DER, 983' right of centerline. Trees 80' AGL/1039' MSL, 3742' from DER, 835' left of centerline. **Rwy 9**: Antenna 50' AGL/1040' MSL, 4966' from DER, 625' left of centerline.

WATERTOWN, WI

WATERTOWN MUNI (RYV)

DEPARTURE PROCEDURE: **Rwy 5,** climb runway heading to 2500 before heading west. **Rwy 29,** climb runway heading to 2500 before turning north.

WAUKESHA, WI

WAUKESHA COUNTY (UES)
AMDT 6 09127(FAA)

TAKE-OFF MINIMUMS: **Rwy 10,** 400-2½ or std. with a min. climb of 316' per NM to 1400.

NOTE: **Rwy 10,** light pole 146' from DER, 326' left of centerline, 9' AGL/918' MSL. Light pole 560' from DER, 597' left of centerline, 17' AGL/936' MSL. Pipe on building 229' from DER, 275' left of centerline, 16' AGL/925' MSL. Trees beginning 1652' from DER, 171' right of centerline, up to 70' AGL/1029' MSL. Trees beginning 1868' from DER, 16' left of centerline, up to 54' AGL/983' MSL. Tower 1.0 NM from DER, 1571' right of centerline, 219' AGL/1148' MSL. Tower 1.1 NM from DER, 1140' right of centerline, 177' AGL/1126' MSL. Tower 1.8 NM from DER, 3455' right of centerline, 272' AGL/1238' MSL. **Rwy 18,** vehicle on road 618' from DER, 162' left of centerline, 15' AGL/946' MSL. Bush 746' from DER, 107' right of centerline, 9' AGL/938' MSL. Trees beginning 753' from DER, 187' right of centerline, up to 18' AGL/957' MSL. Tree 757' from DER, 182' left of centerline, 17' AGL/946' MSL. Tree 1188' from DER, 27' left of centerline, 27' AGL/956' MSL. Pole 1976' from DER, 304' left of centerline, 48' AGL/967' MSL. Pole 2026' from DER, 196' right of centerline, 62' AGL/981' MSL. Tower 2010' from DER, 932' left of centerline, 66' AGL/984' MSL. Rod on stack 4489' from DER, 657' left of centerline, 118' AGL/1037' MSL. **Rwy 28,** vehicle on road 877' from DER, 541' left of centerline, 15' AGL/924' MSL. Pole 1078' from DER, 739' left of centerline, 47' AGL/936' MSL. **Rwy 36,** rod on pole 401' from DER, 555' left of centerline, 46' AGL/945' MSL. Vehicle on road 300' from DER, 349' right of centerline, 15' AGL/914' MSL. Trees beginning 486' from DER, 175' right of centerline, up to 81' AGL/970' MSL. Trees beginning 999' from DER, 124' left of centerline, up to 72' AGL/962' MSL.

WAUPACA, WI

WAUPACA MUNI (PCZ)
AMDT 2 05020 (FAA)

TAKE-OFF MINIMUMS: **Rwy 28,** 300-2 or std with a min. climb of 317' per NM to 1300.

NOTES: **Rwy 10,** trees 1400' from departure end of runway, 300' left of centerline, 41' AGL/850' MSL. **Rwy 13,** road and vehicle 240' from departure end of runway, 275' right of centerline, 29' AGL/832' MSL. **Rwy 28,** trees 1.1 NM from departure end of runway, 1848' left of centerline, 100' AGL, 1119' MSL. **Rwy 31,** trees 800' from departure end of runway, 150' left of centerline, 19' AGL/846' MSL. Trees 1965' from departure end of runway, 585' left of centerline, 100' AGL/979' MSL.

WAUSAU, WI

WAUSAU DOWNTOWN (AUW)
AMDT 4 86044 (FAA)

TAKE-OFF MINIMUMS: **Rwy 30,** 300-1.
Rwy 4, 400-1. **Rwy 12,** 300-1. **Rwy 22,** 700-1.

DEPARTURE PROCEDURE: **All runways:** West departures (220° CW to 300°) climb to 3500 on runway heading before proceeding on course.
Rwy 4, North departures (360° CW 030°) climb on runway heading to 2900 before proceeding on course.

WAUTOMA, WI

WAUTOMA MUNI (Y50)
ORIG 98225 (FAA)

DEPARTURE PROCEDURE: **Rwy 31,** climb runway heading to 1800 before turning north.

NDB AHH	APP CRS	Rwy ldg	4001
278	165°	TDZE	1080
		Apt Elev	1088

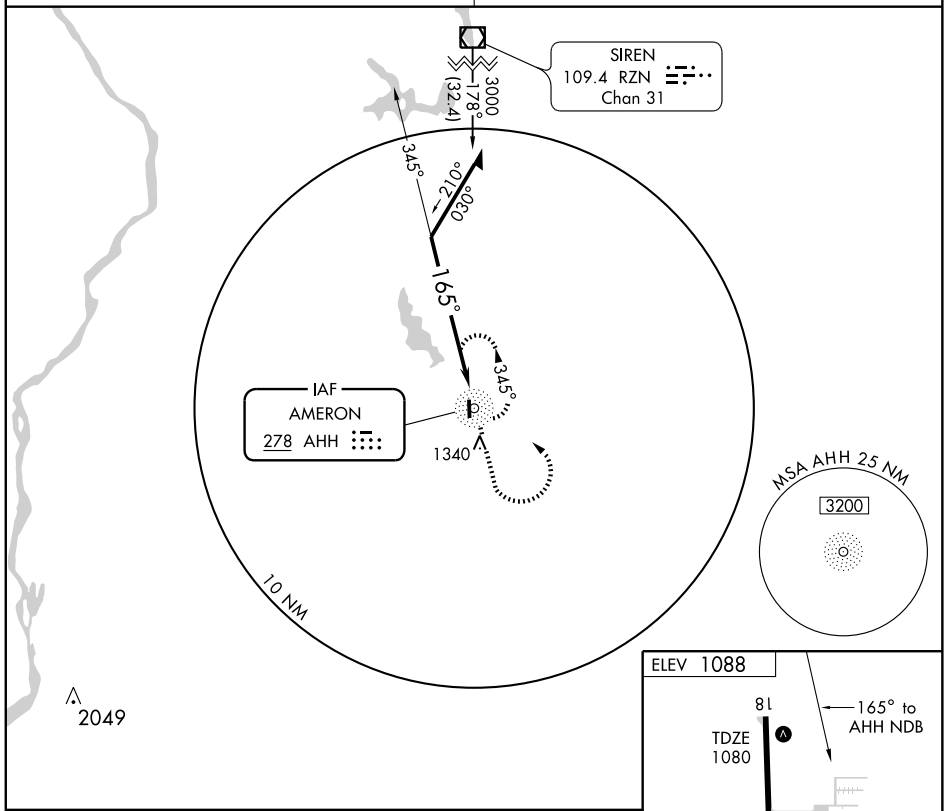
NDB RWY 18
AMERY MUNI (AHH)

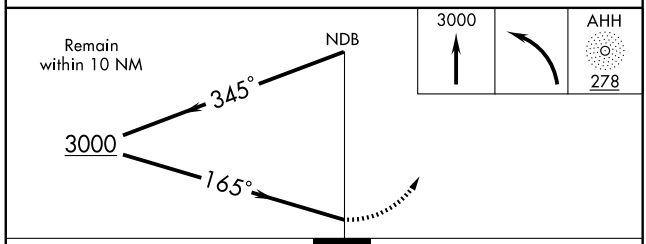
Use L.O. Simenstad Muni altimeter setting; if not received, use Minneapolis-St. Paul Intl/Wold-Chamberlain altimeter setting and increase all MDAs 80 feet.

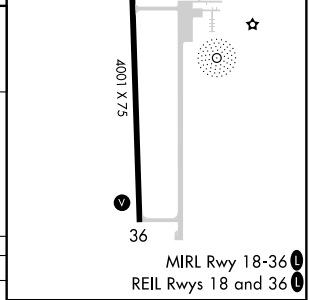
NA

MISSED APPROACH: Climb to 3000, then left turn direct AHH NDB and hold.

MINNEAPOLIS CENTER	UNICOM
125.3 335.6	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-18	1820-1 740 (800-1)		1820-2 740 (800-2)	NA
CIRCLING	1820-1 732 (800-1)		1820-2 732 (800-2)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4001
177°	TDZE	1080
	Apt Elev	1088

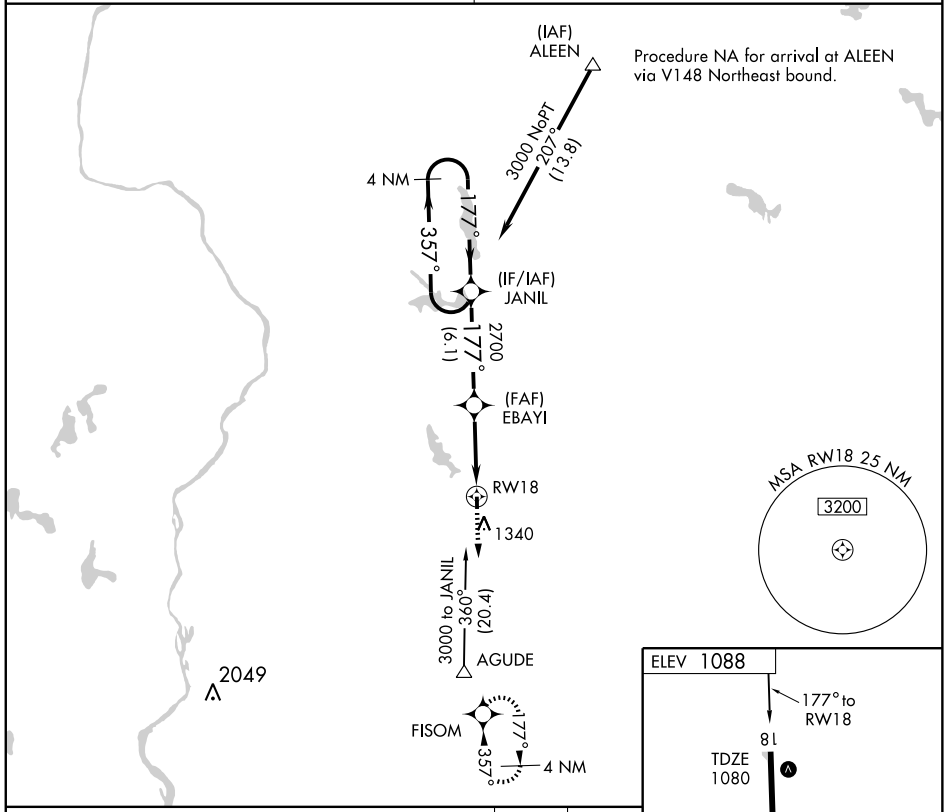
RNAV (GPS) RWY 18
AMERY MUNI (AHH)

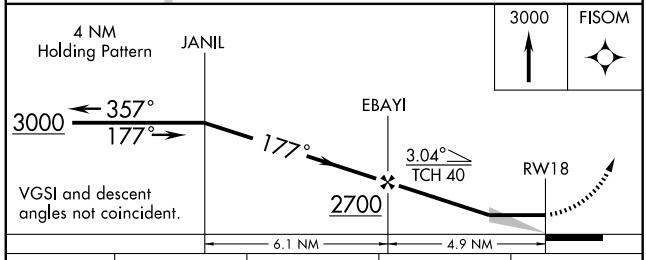
Use L. O. Simenstad Muni altimeter setting; if not received, use Minneapolis-St. Paul Intl/Wold-Chamberlain altimeter setting and increase all MDAs 80 feet. DME/DME RNP-0.3 NA.

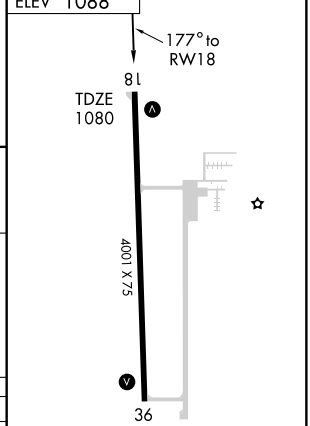
NA

MISSED APPROACH: Climb to 3000 direct FISOM and hold.

MINNEAPOLIS CENTER	UNICOM
125.3 335.6	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1600-1 520 (600-1)		1600-1½ 520 (600-1½)	NA
CIRCLING	1760-1 672 (700-1)		1760-2 672 (700-2)	NA

MIRL Rwy 18-36 L
REIL Rwys 18 and 36 L

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4001
357°	TDZE	1088
	Apt Elev	1088

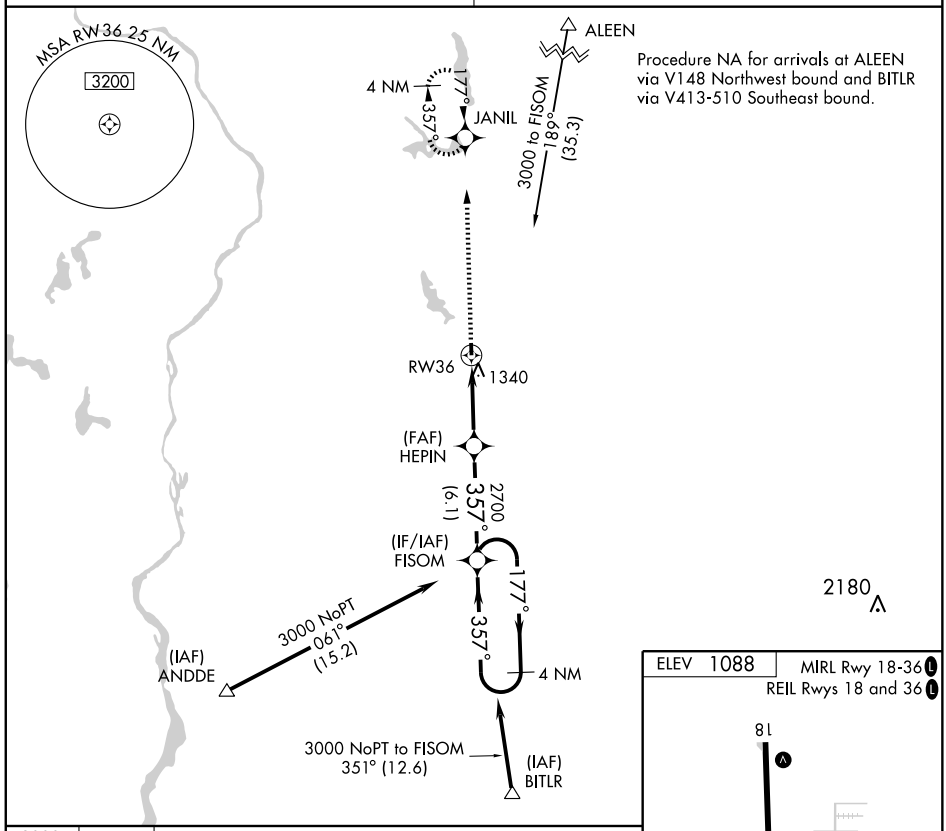
RNAV (GPS) RWY 36
AMERY MUNI (AHH)

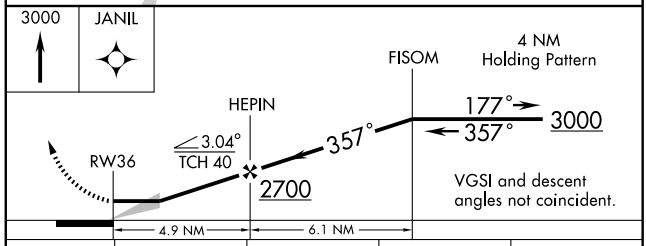
NA

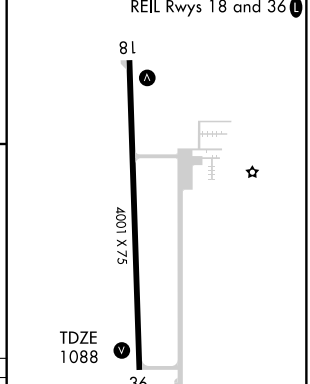
Use L. O. Simenstad Muni altimeter setting; if not received, use Minneapolis-St. Paul Intl/Wold-Chamberlain altimeter setting and increase all MDAs 80 feet. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct JANIL and hold.

MINNEAPOLIS CENTER	UNICOM
125.3 335.6	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1700-1 612 (700-1)		1700-1¾ 612 (700-1¾)	NA
CIRCLING	1760-1 672 (700-1)		1760-2 672 (700-2)	NA

EC-3. 14 JAN 2010 to 11 FEB 2010

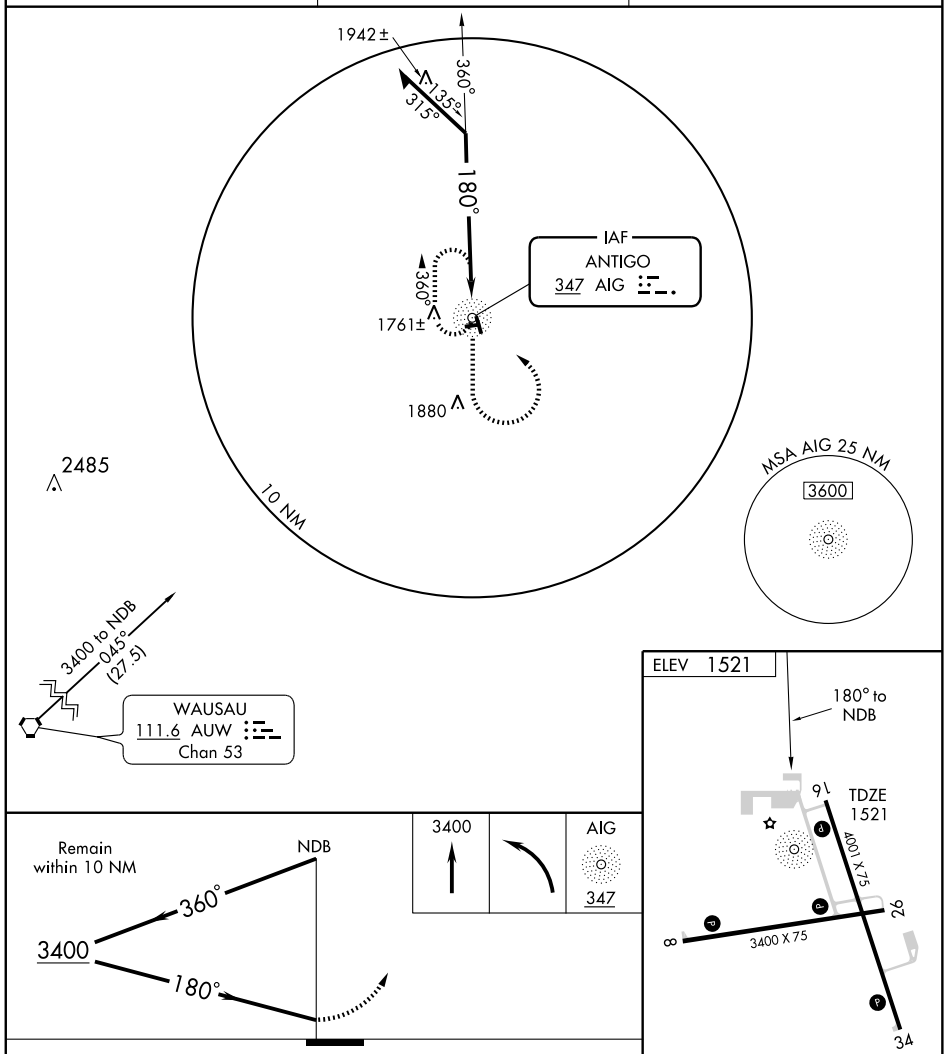
NDB AIG	APP CRS	Rwy ldg	4001
347	180°	TDZE	1521
		Apt Elev	1521

NDB RWY 16
ANTIGO/LANGLADE COUNTY (AIG)

When local altimeter setting not received, use Wausau altimeter setting and increase all MDAs 120 feet and increase visibility Cat A ¼ mile, Cat C and D ½ mile.

MISSED APPROACH: Climb to 3400 then left turn direct AIG NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.075	124.4 317.7	122.8 (CTAF) L



REIL Rwys 16 and 34 L
MIRL Rwys 16-34 and 8-26 L

CATEGORY	A	B	C	D
S-16	2300-1 779 (800-1)	2300-1¼ 779 (800-1¼)	2300-2¼ 779 (800-2¼)	2300-2½ 779 (800-2½)
CIRCLING	2300-1 779 (800-1)	2300-1¼ 779 (800-1¼)	2300-2¼ 779 (800-2¼)	2300-2½ 779 (800-2½)

Knots	60	90	120	150	180
Min:Sec					

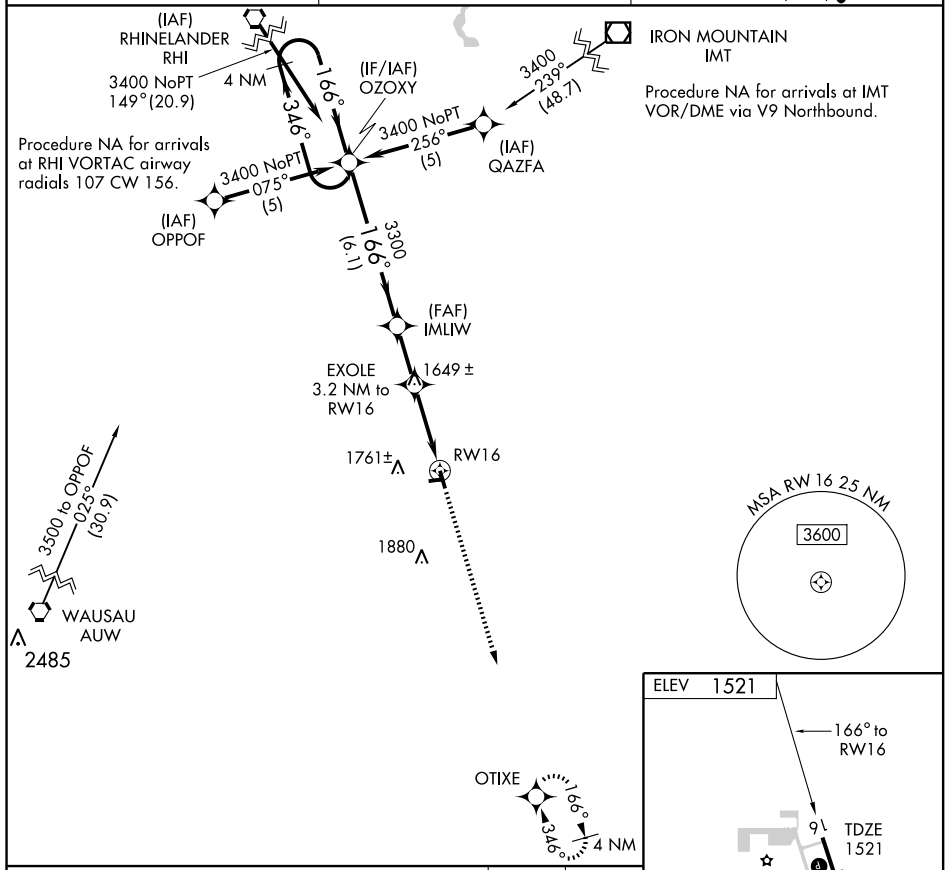
APP CRS	Rwy ldg	4001
166°	TDZE	1521
	Apt Elev	1521

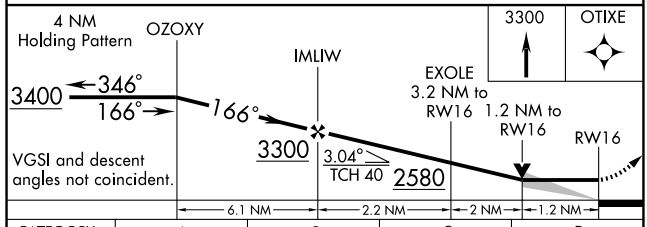
RNAV (GPS) RWY 16
ANTIGO/ LANGLADE COUNTY (AIG)

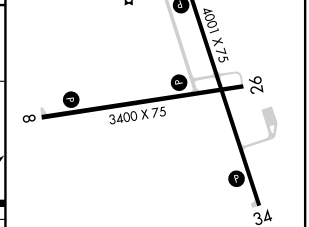
DME/DME RNP-0.3 NA. VDP NA when using Wausau altimeter setting. When local altimeter setting not received, use Wausau altimeter setting and increase all MDAs 120 feet and visibility Cats C and D ½ mile.

MISSED APPROACH: Climb to 3300 direct OTIXE and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.075	124.4 317.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1920-1 399 (400-1)			1920-1¼ 399 (400-1¼)
CIRCLING	2120-1 599 (600-1)		2120-1½ 599 (600-1½)	2120-2 599 (600-2)

REIL Rwys 16 and 34 L
MIRL Rwys 16-34 and 8-26 L

EC-3, 14 JAN 2010 to 11 FEB 2010

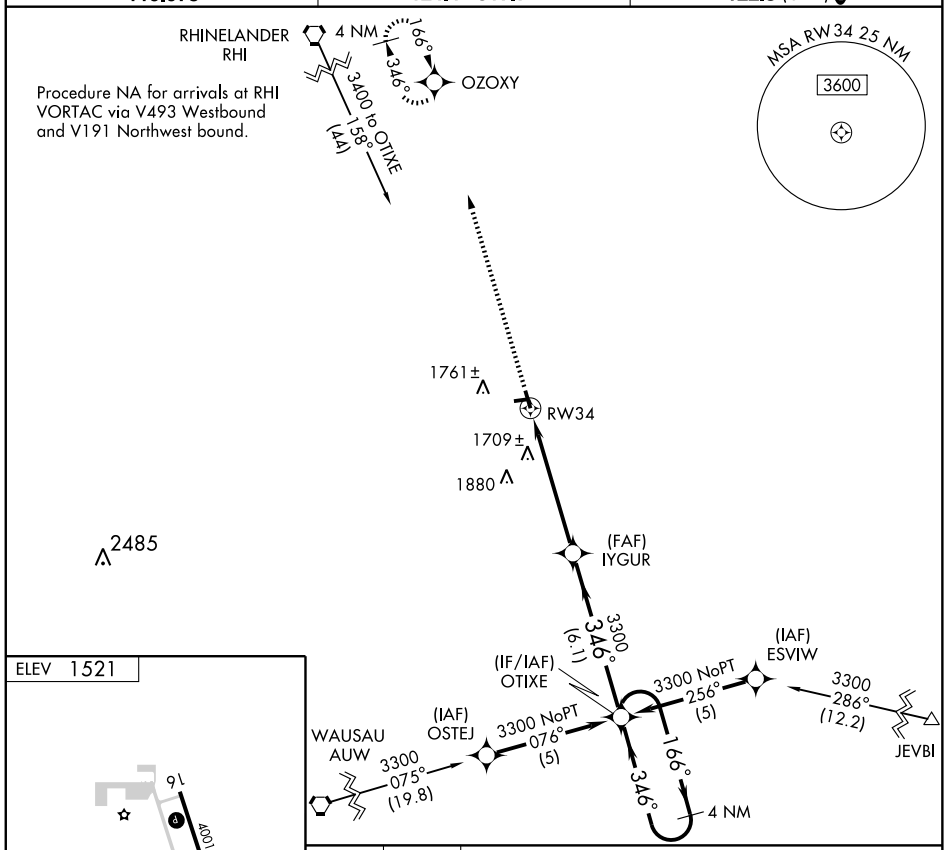
APP CRS	Rwy ldg	4001
346°	TDZE	1521
	Apt Elev	1521

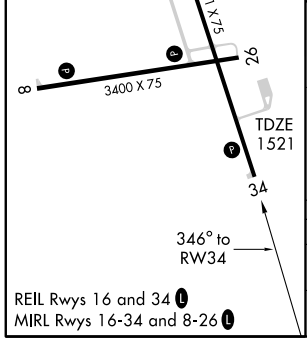
RNAV (GPS) RWY 34
ANTIGO/LANGLADE COUNTY (AIG)

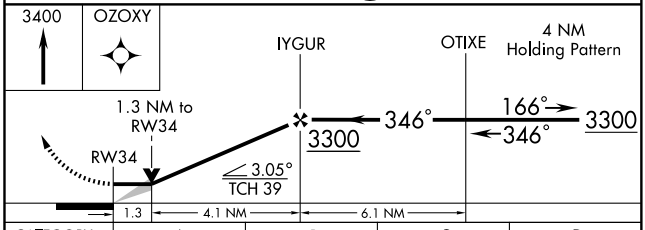
DME/DME RNP-0.3 NA. VDP NA when using Wausau altimeter setting. When local altimeter setting not received, use Wausau altimeter setting and increase all MDAs 120 feet, increase LNAV visibilities Cat C and D ¼ mile, Circling Cat C ½ mile and Cat D ¼ mile.

MISSED APPROACH: Climb to 3400 direct OZOXY and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.075	124.4 317.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1960-1 439 (500-1)		1960-1¼ 439 (500-1¼)	1960-1½ 439 (500-1½)
CIRCLING	2120-1 599 (600-1)		2120-1½ 599 (600-1½)	2120-2 599 (600-2)

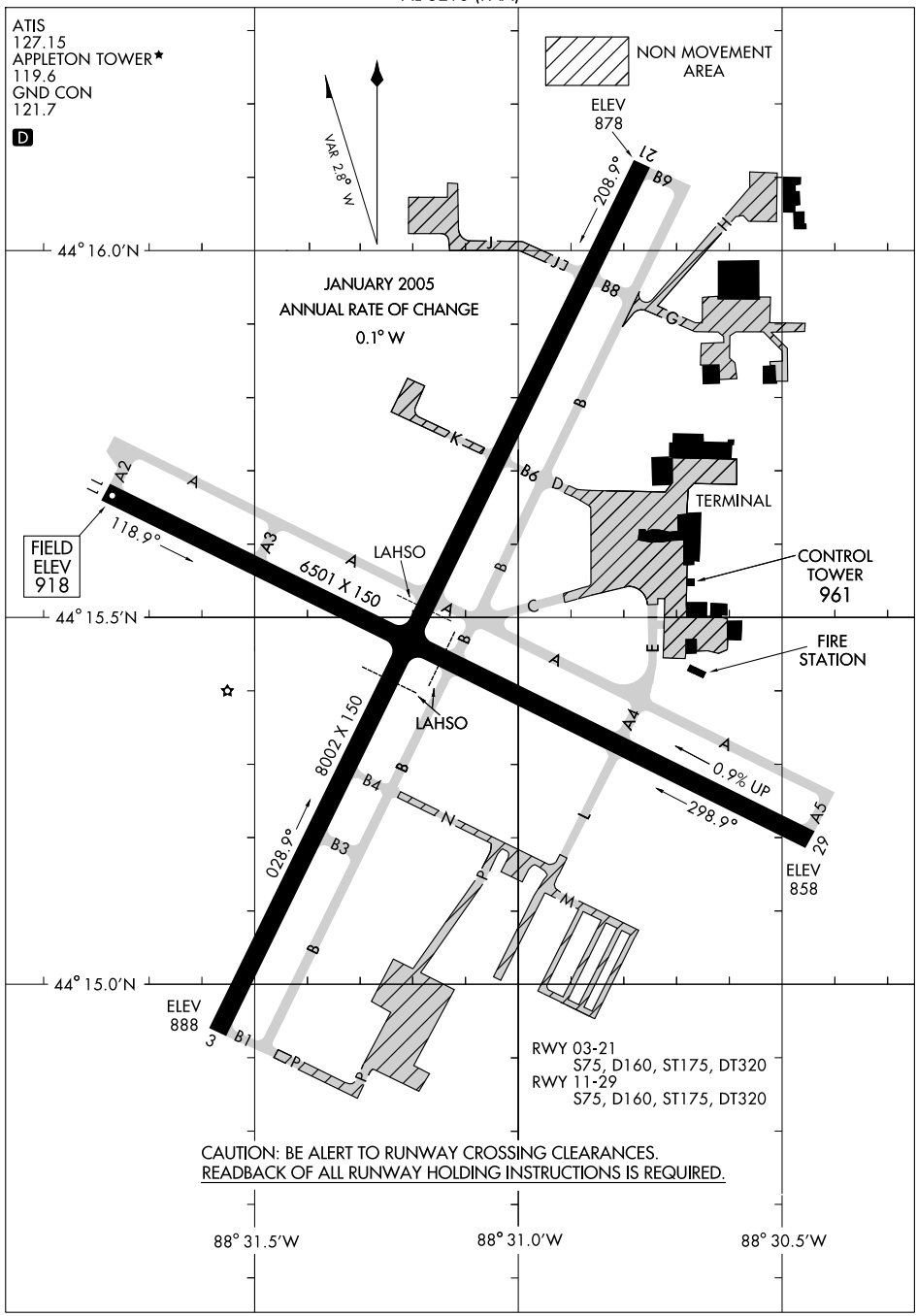
EC-3. 14 JAN 2010 to 11 FEB 2010

09295

AIRPORT DIAGRAM

AL-5216 (FAA)

APPLETON/OUTAGAMIE COUNTY RGNL (ATW)
APPLETON, WISCONSIN



EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-ATW	APP CRS	Rwy ldg	8002
109.1	028°	TDZE	888
Chan 28		Apt Elev	918

ILS or LOC RWY 3

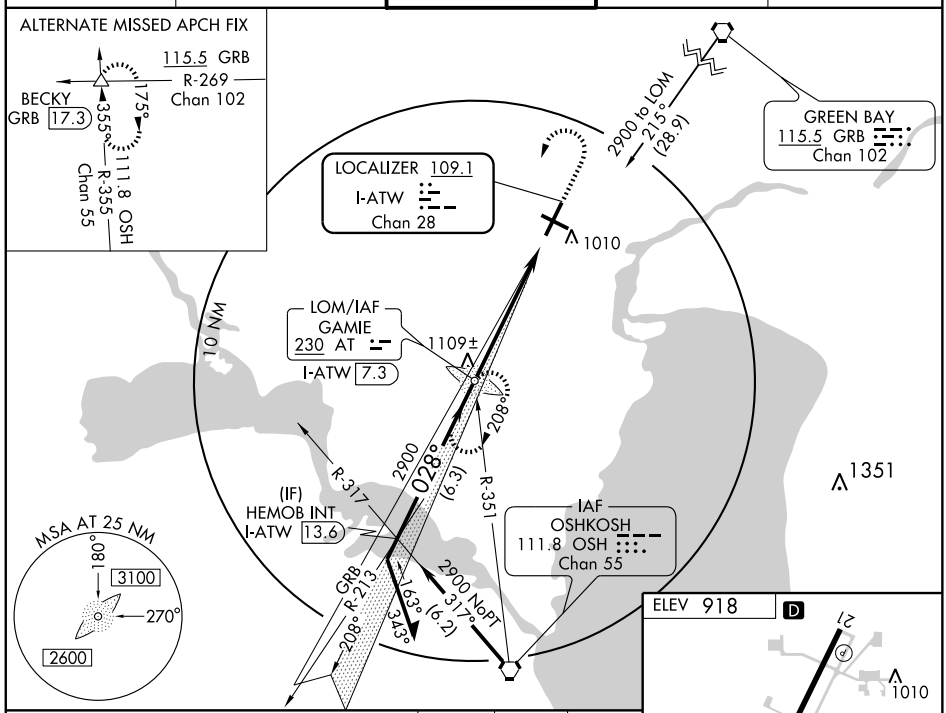
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

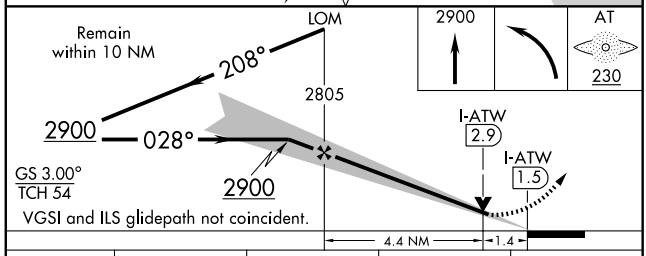
ADF REQUIRED. Visibility reduction by helicopters NA. VDP NA when using Austin Straubel Intl altimeter setting. When using Austin Straubel altimeter setting for inoperative MALSR increase S-ILS visibility ½ mile all Cats. When local altimeter setting not received, use Austin Straubel Intl altimeter setting and increase DAs 81 feet all Cats: increase all MDA's 100 feet and S-LOC Cat C and D ¼ mile.
* RVR 1800 authorized with the use of FD or AP or HUD to DA.

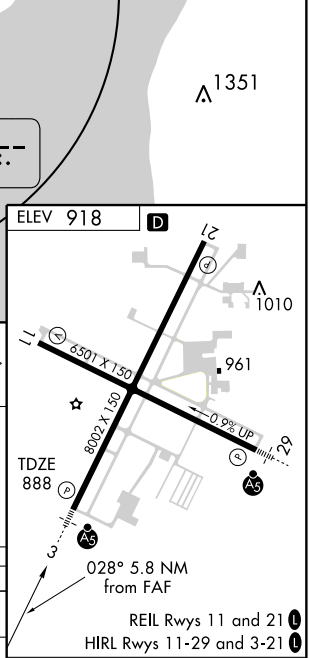
MALSR A5

MISSED APPROACH: Climb to 2900 then left turn direct GAMIE LOM/INT/I-ATW 7.3 DME and hold.

ATIS	GREEN BAY APP CON*	APPLETON TOWER*	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







REIL Rwys 11 and 21 L
HIRL Rwys 11-29 and 3-21 L

CATEGORY	A	B	C	D
S-ILS 3	*1088/24 200 (200-½)			
S-LOC 3	1380/24 492 (500-½)		1380/40 492 (500-¾)	1380/50 492 (500-1)
CIRCLING	1380-1 462 (500-1)		1380-1½ 462 (500-1½)	1480-2 562 (600-2)

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-AQZ	APP CRS	Rwy ldg	6501
109.7	298°	TDZE	875
Chan 34		Apt Elev	918

ILS RWY 29

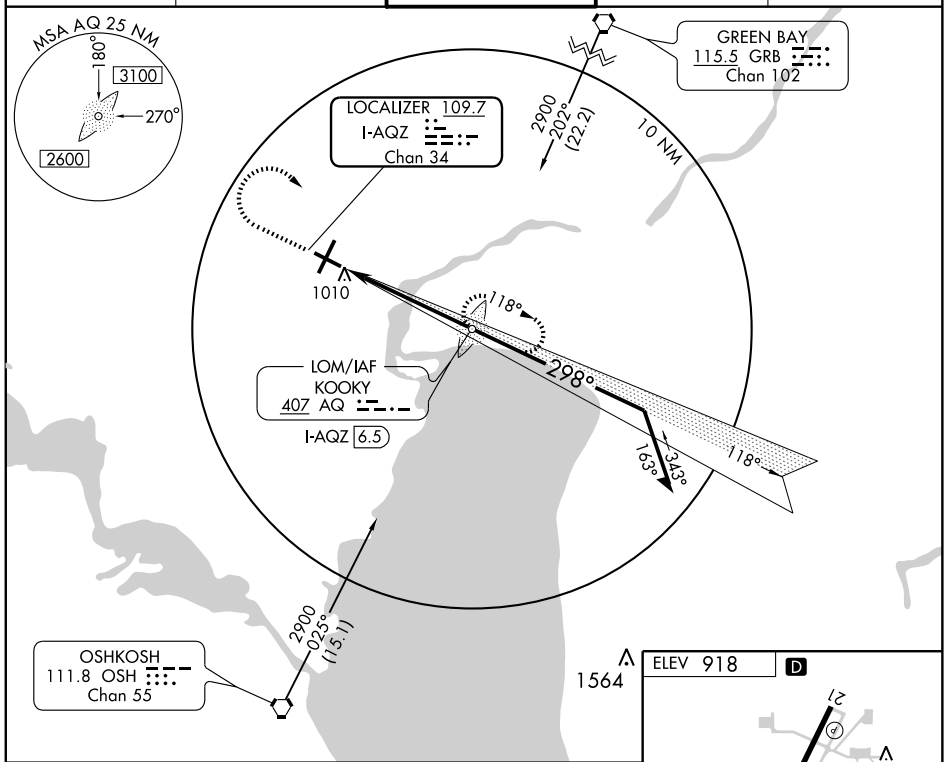
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

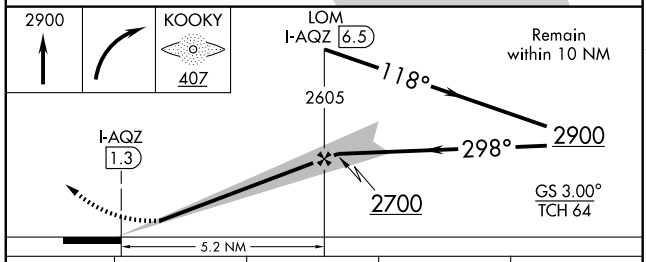
For inoperative MALSR increase S-LOC 29 Cat. D visibility ¼ mile. ADF REQUIRED.

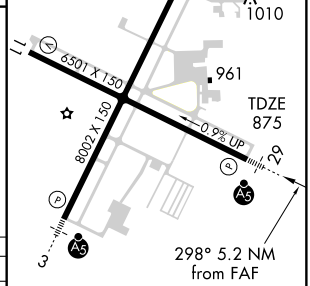
MALSR

MISSED APPROACH: Climb to 2900, then right turn direct KOOKY LOM and hold.

ATIS	GREEN BAY APP CON★	APPLETON TOWER★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







REIL Rwys 11 and 21 L
HIRL Rwys 11-29 and 3-21 L

CATEGORY	A	B	C	D
S-ILS 29	1075-½ 200 (200-½)			
S-LOC 29	1220-½ 345 (400-½)			1220-¾ 345 (400-¾)
CIRCLING	1320-1 402 (500-1)	1380-1 462 (500-1)	1380-1½ 462 (500-1½)	1480-2 562 (600-2)

FAF to MAP 5.2 NM

Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 56223 W03A	APP CRS 028°	Rwy ldg 8002 TDZE 888 Apt Elev 918

RNAV (GPS) RWY 3

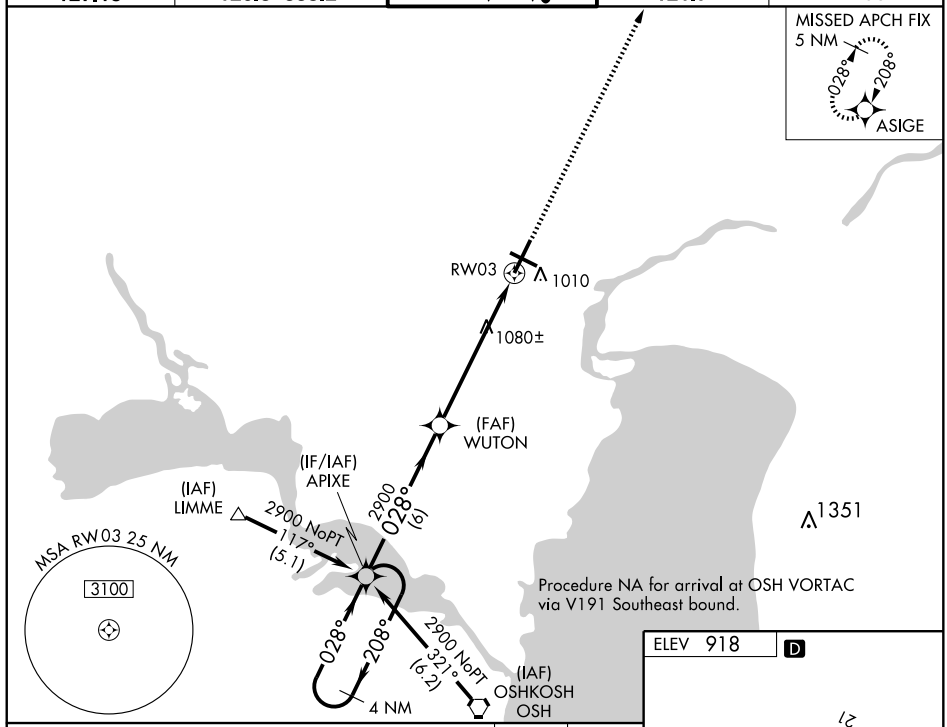
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

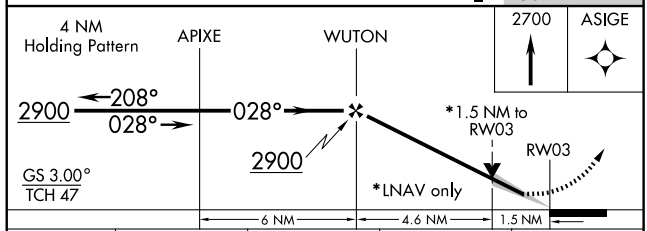
Baro-VNAV NA below -16°C (4°F). DME/DME RNP-0.3 NA. When local altimeter setting not received use Austin Straubel Intl altimeter setting and increase all DAs/MDAs 100 feet. Baro/VNAV and VDP NA when using Austin Straubel Intl altimeter setting. For inoperative MALSR increase LPV visibility to RVR 4000 all Cats.

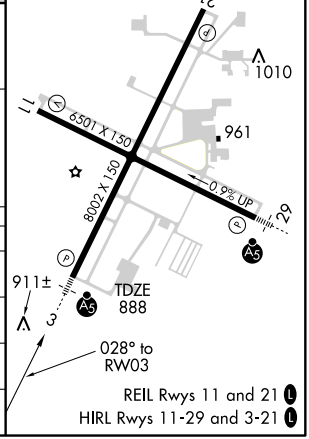
MALSR

MISSED APPROACH: Climb to 2700 direct ASIGE and hold.

ATIS	GREEN BAY APP CON★	APPLETON TOWER★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
LPV DA	1138/24 250 (300-½)			
LNAV/VNAV DA	1232/40 344 (400-¾)			
LNAV MDA	1400/24 512 (500-½)		1400/50 512 (500-1)	1400/60 512 (500-1¼)
CIRCLING	1400-1¼ 482 (500-1¼)		1400-1½ 482 (500-1½)	1480-2 562 (600-2)

APP CRS	Rwy ldg	6501
118°	TDZE	918
	Apt Elev	918

RNAV (GPS) RWY 11

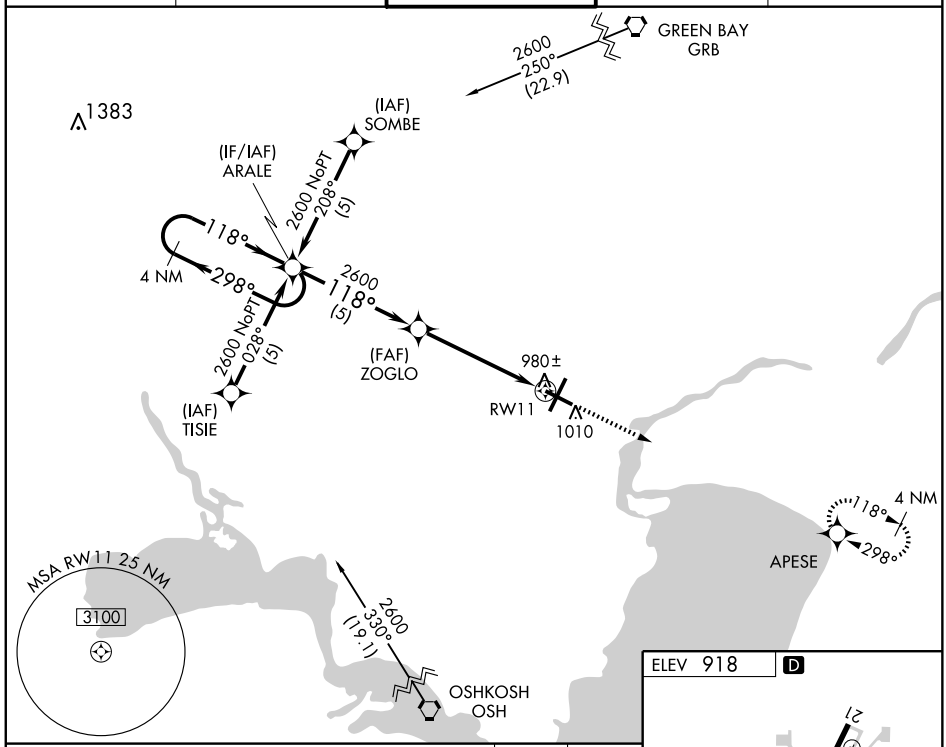
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

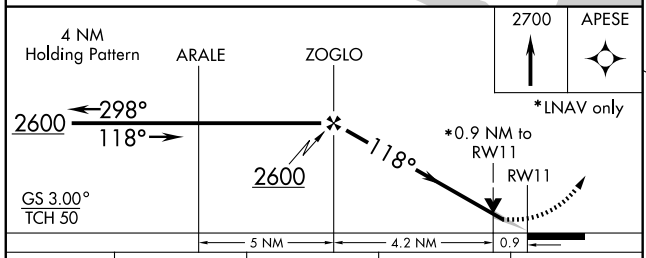
NA

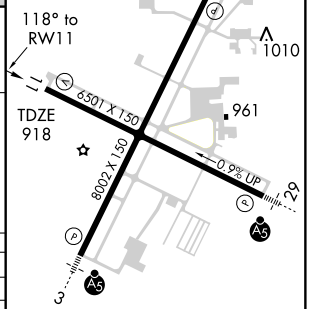
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2700 direct APESE WP and hold.

ATIS	GREEN BAY APP CON★	APPLETON TOWER★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1240-1 322 (400-1)			
LNAV MDA	1240-1 322 (400-1)			
CIRCLING	1320-1 402 (500-1)	1380-1 462 (500-1)	1380-1½ 462 (500-1½)	1480-2 562 (600-2)

REIL Rwys 11 and 21 L
HIRL Rwys 11-29 and 3-21 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	8002
208°	TDZE	878
	Apt Elev	918

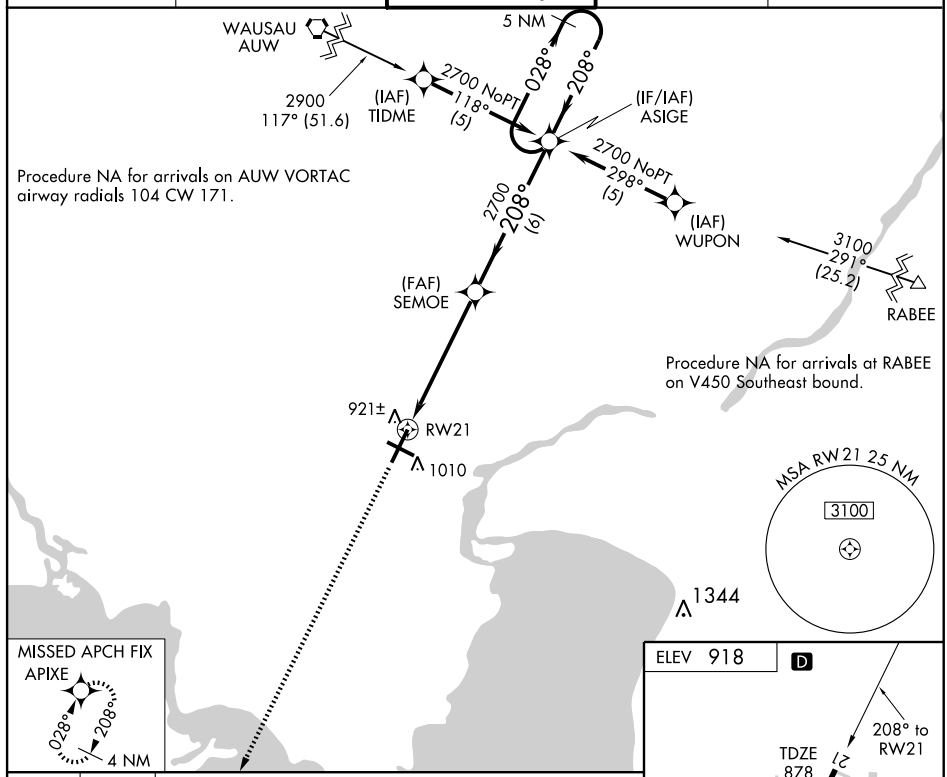
RNAV (GPS) RWY 21

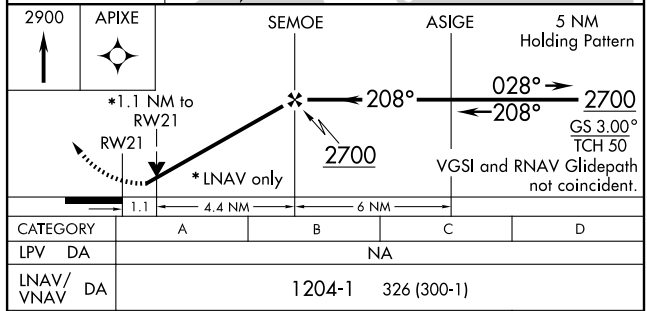
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

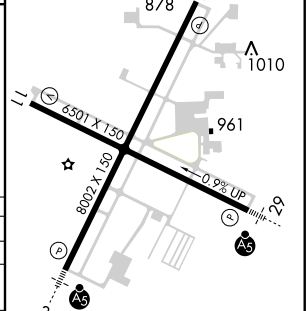
Baro-VNAV NA below -16°C (4°F). DME/DME RNP-0.3 NA. When local altimeter setting not received use Austin Straubel Intl altimeter setting and increase all DAs/MDAs 100 feet. Baro/VNAV and VDP NA when using Austin Straubel Intl altimeter setting.

MISSED APPROACH: Climb to 2900 direct APIXE and hold.

ATIS	GREEN BAY APP CON★	APPLETON TOWER★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
LPV DA	NA			
LNAV/VNAV DA	1204-1 326 (300-1)			
LNAV MDA	1260-1 382 (400-1)			1260-1¼ 382 (400-1¼)
CIRCLING	1320-1 402 (500-1)	1380-1 462 (500-1)	1380-1½ 462 (500-1½)	1480-2 562 (600-2)

REIL Rwys 11 and 21 L
HIRL Rwys 11-29 and 3-21 L

APP CRS	Rwy ldg	6501
298°	TDZE	875
	Apt Elev	918

RNAV (GPS) RWY 29

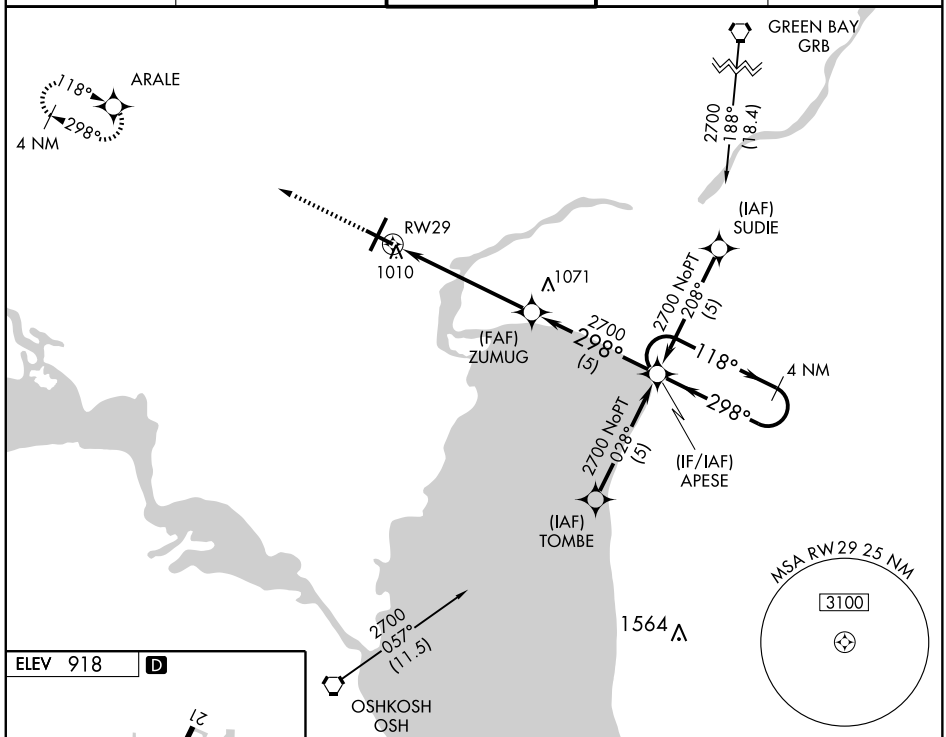
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

NA GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
For inoperative MALSR, increase Cat. D visibility to 1¼.

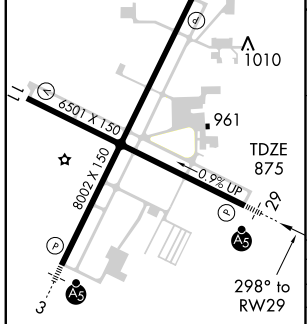
MALSR A5

MISSED APPROACH: Climb to 2600 direct ARALE WP hold.

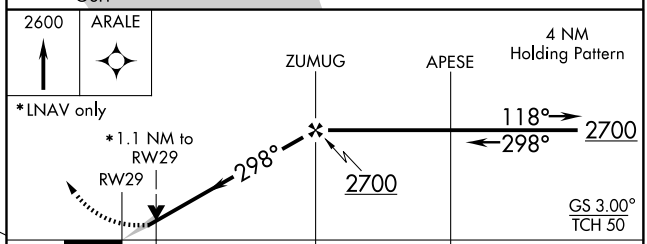
ATIS	GREEN BAY APP CON★	APPLETON TOWER★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95



ELEV 918 D



REIL Rwys 11 and 21 L
HIRL Rwys 11-29 and 3-21 L



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1260-1 385 (400-1)			
LNAV MDA	1260-½ 385 (400-½)			1260-1 385 (400-1)
CIRCLING	1320-1½ 402 (500-1½)	1380-1½ 462 (500-1½)		1480-2 562 (600-2)

VORTAC OSH	APP CRS	Rwy ldg	8002
111.8	002°	TDZE	888
Chan 55		Apt Elev	918

VOR/DME RWY 3

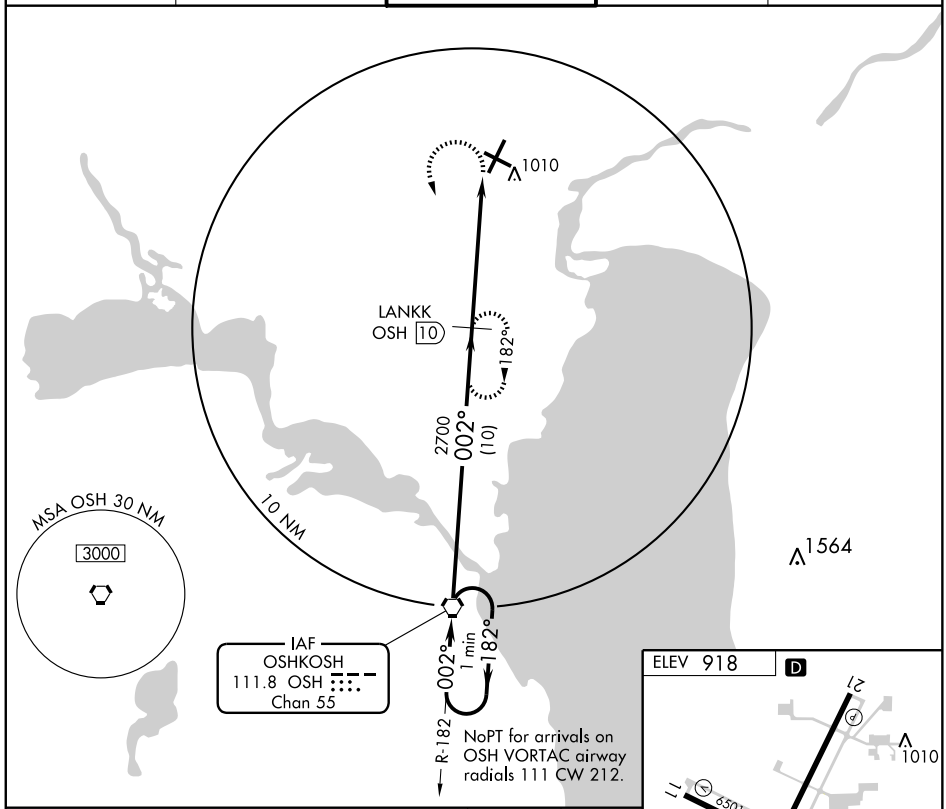
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

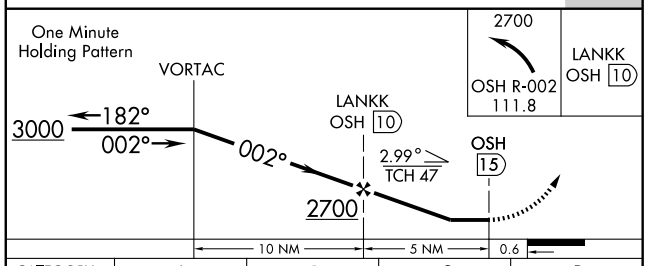
Inoperative table does not apply to Cats. C and D. For inoperative MALSR increase Cats. A and B visibility to RVR 5000.

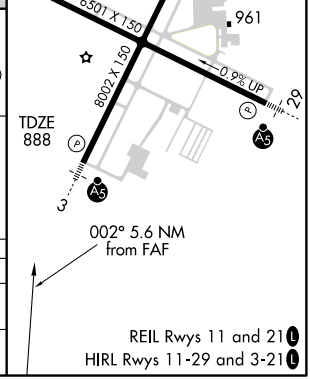
MALSR A5

MISSED APPROACH: Climbing left turn to 2700 via OSH R-002 to LANKK/10 DME and hold.

ATIS	GREEN BAY APP CON ★	APPLETON TOWER ★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
S-3	1380/40	492 (500-¾)	1380/60 492 (500-1¼)	1380-1½ 492 (500-1½)
CIRCLING	1380-1	462 (500-1)	1380-1½ 462 (500-1½)	1480-2 562 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC OSH	APP CRS	Rwy ldg	8002
111.8	184°	TDZE	878
Chan 55		Apt Elev	918

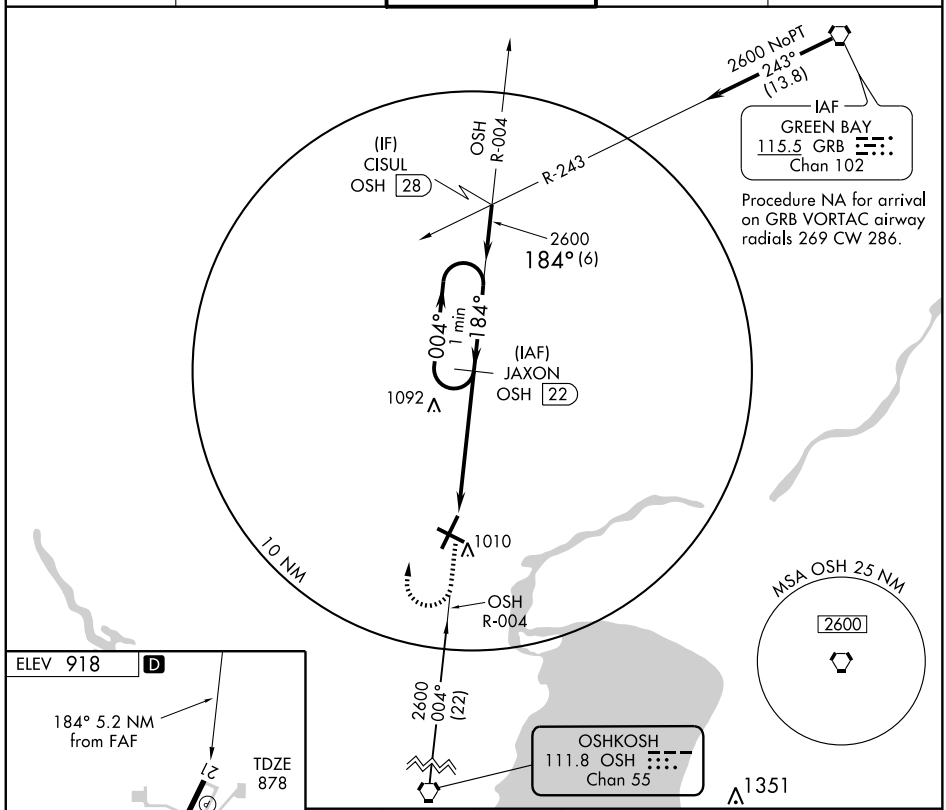
VOR/DME RWY 21

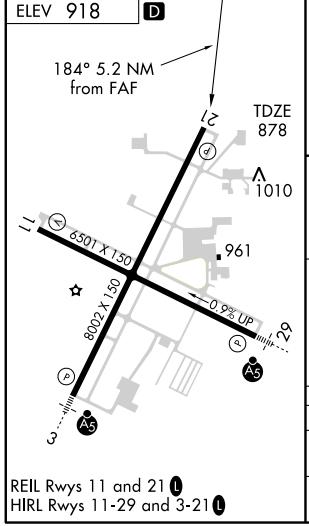
APPLETON/OUTAGAMIE COUNTY RGNL (ATW)

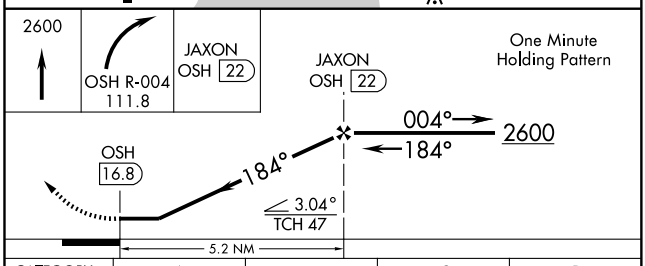
A If local altimeter setting not received, use Austin Straubel Intl altimeter setting and increase all MDAs 100 feet.

MISSED APPROACH: Climb to 2600 then right turn via OSH R-004 to JAXON and hold.

ATIS	GREEN BAY APP CON★	APPLETON TOWER★	GND CON	UNICOM
127.15	126.3 338.2	119.6 (CTAF) L	121.7	122.95







CATEGORY	A	B	C	D
S-21	1400-1 522 (500-1)		1400-1½ 522 (500-1½)	1400-1¾ 522 (500-1¾)
CIRCLING	1400-1 482 (500-1)		1400-1½ 482 (500-1½)	1480-2 562 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-ASX	APP CRS	Rwy ldg	5197
109.3	019°	TDZE	825
Chan 30		Apt Elev	826

LOC/DME RWY 2

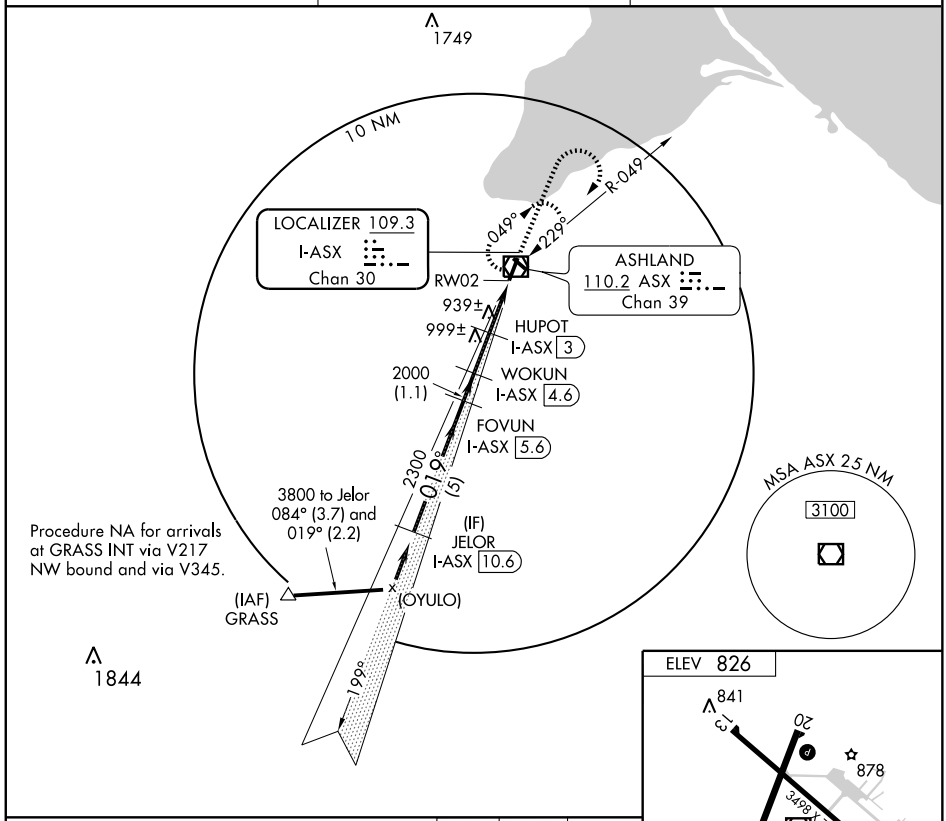
ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

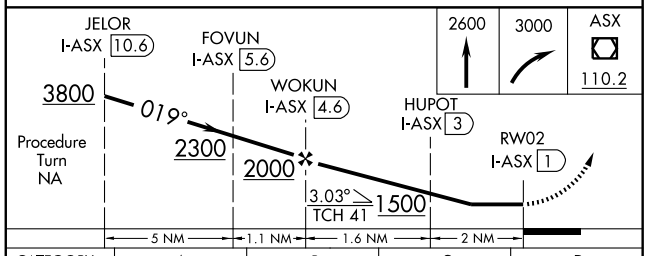
NA

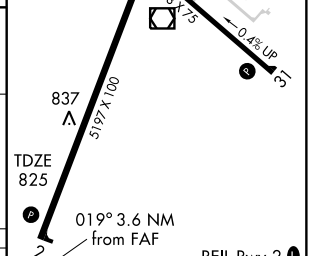
If local altimeter setting not received, use Ironwood altimeter setting and increase all MDAs 140 feet. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2600 then climbing right turn to 3000 direct ASX VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L







REIL Rwy 2 L
MIRL Rwys 2-20 and 13-31 L

CATEGORY	A	B	C	D
S-2	1200-1 375 (400-1)			1200-1¼ 375 (400-1¼)
CIRCLING	1240-1 414 (500-1)	1280-1 454 (500-1)	1280-1½ 454 (500-1½)	1380-2 554 (600-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB ENY 254	APP CRS 023°	Rwy ldg 5197 TDZE 825 Apt Elev 826

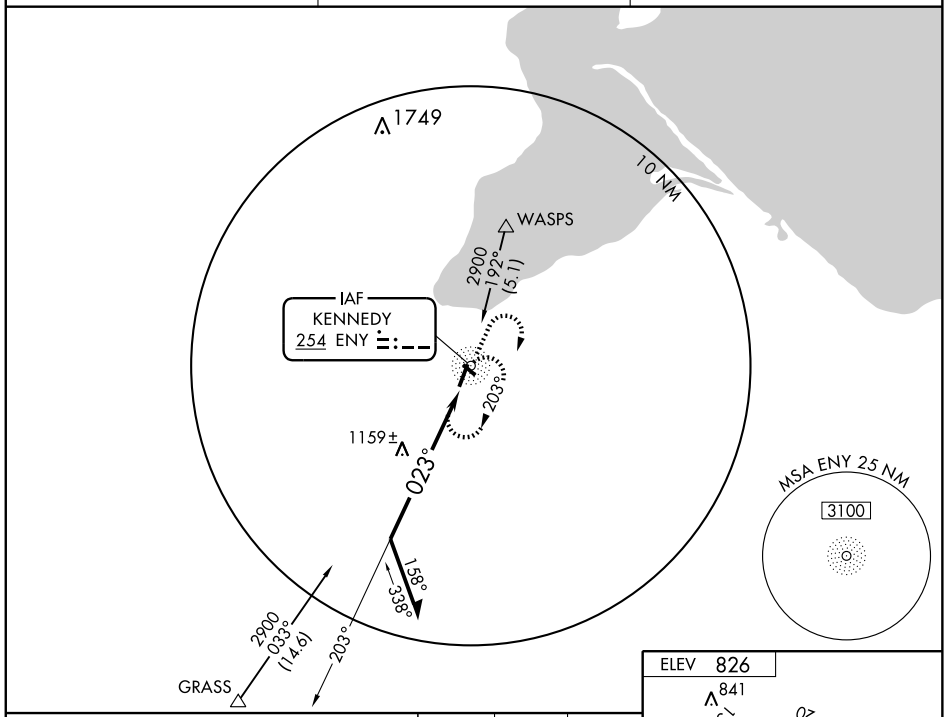
NDB RWY 2

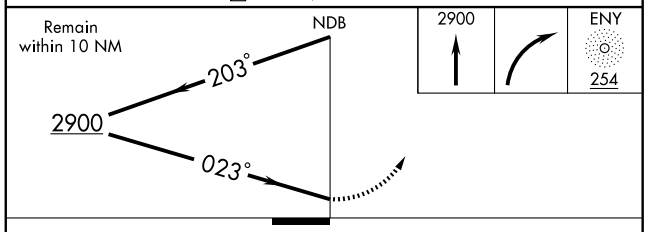
ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

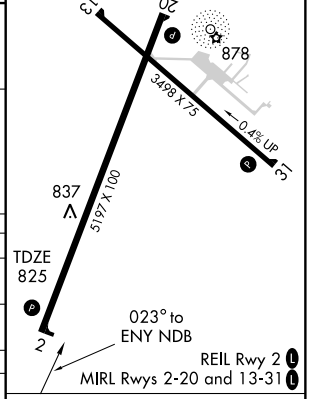
NA

MISSED APPROACH: Climb to 2900 then right turn direct ENY NDB and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-2	1520-1 695 (700-1)		1520-2 695 (700-2)	1520-2¼ 695 (700-2¼)
CIRCLING	1520-1 694 (700-1)		1520-2 694 (700-2)	1520-2¼ 694 (700-2¼)
DULUTH ALTIMETER SETTING MINIMUMS				
S-2	1740-1¼ 915 (1000-1¼)		1740-2¾ 915 (1000-2¾)	1740-3 915 (1000-3)
CIRCLING	1740-1¼ 914 (1000-1¼)		1740-2¾ 914 (1000-2¾)	1740-3 914 (1000-3)

Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 72707 W02A	APP CRS 019°	Rwy ldg 5197 TDZE 826 Apt Elev 827

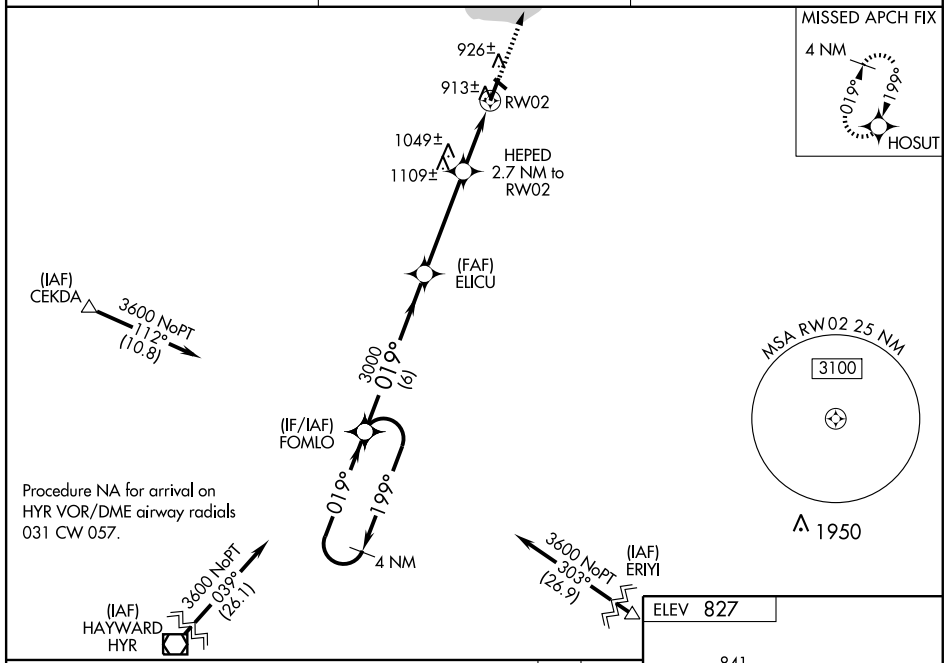
RNAV (GPS) RWY 2

ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

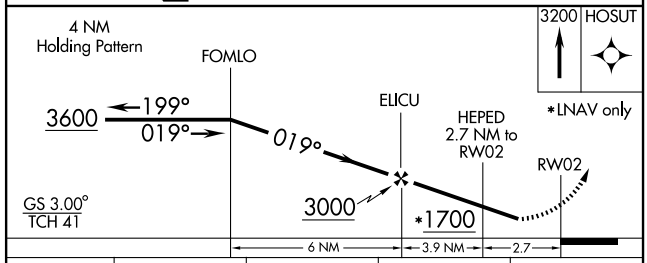
Baro-VNAV NA when using Ironwood altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Ironwood altimeter setting and increase all DAs 132 feet and LPV and LNAV/VNAV all Cats. visibility ½ mile, increase all MDAs 140 feet and LNAV Cats. C and D visibility ½ mile, and Circling Cats. C and D visibility ¼ mile.

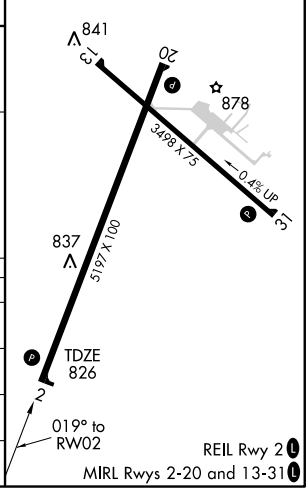
MISSED APPROACH: Climb to 3200 direct HOSUT and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF)



ELEV 827





CATEGORY	A	B	C	D
LPV DA	1162-1¼ 336 (400-1¼)			
LNAV/ VNAV DA	1183-1¼ 357 (400-1¼)			
LNAV MDA	1300-1 474 (500-1)		1300-1¼ 474 (500-1¼)	1300-1½ 474 (500-1½)
CIRCLING	1300-1 473 (500-1)		1300-1½ 473 (500-1½)	1380-2 553 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 61107 W13A	APP CRS 128°	Rwy ldg 3498 TDZE 827 Apt Elev 827

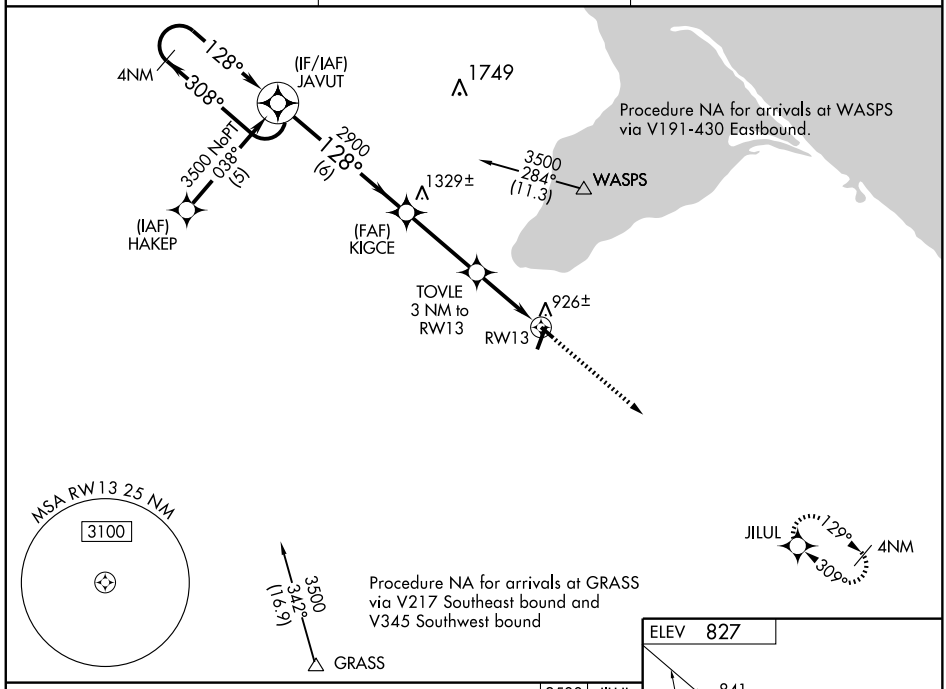
RNAV (GPS) RWY 13

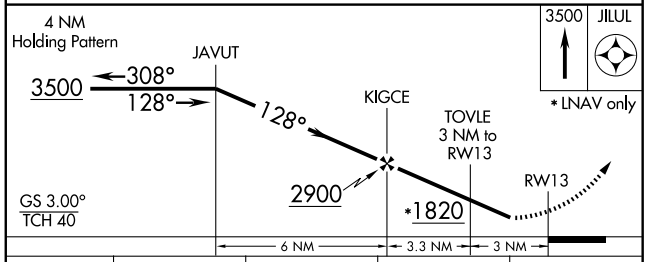
ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

Baro-VNAV NA when using Ironwood altimeter setting. For Uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Ironwood altimeter setting and increase all DAs 132 feet and LPV and LNAV/VNAV all Cats. visibility ½ mile, increase all MDAs 140 feet and LNAV Cats. C and D visibility ½ mile and Circling Cat. D visibility ¼ mile.

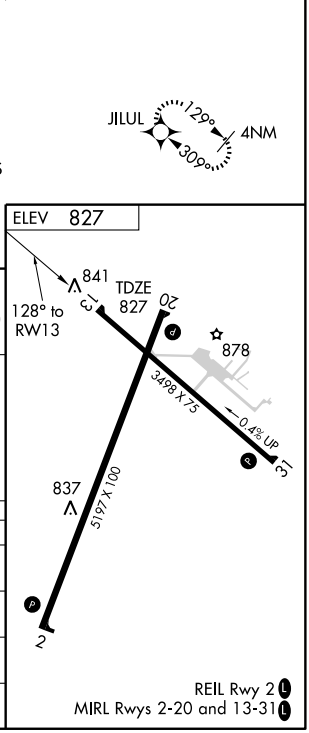
MISSED APPROACH: Climb to 3500 direct JILUL and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1155-1¼ 328 (400-1¼)			
LNAV/ VNAV DA	1196-1¼ 369 (400-1¼)			
LNAV MDA	1200-1 373 (400-1)			1200-1¼ 373 (400-1¼)
CIRCLING	1240-1 413 (500-1)	1280-1 453 (500-1)	1280-1½ 453 (500-1½)	1380-2 553 (600-2)



WAAS CH 90307 W20A	APP CRS 199°	Rwy ldg 5197 TDZE 827 Apt Elev 827

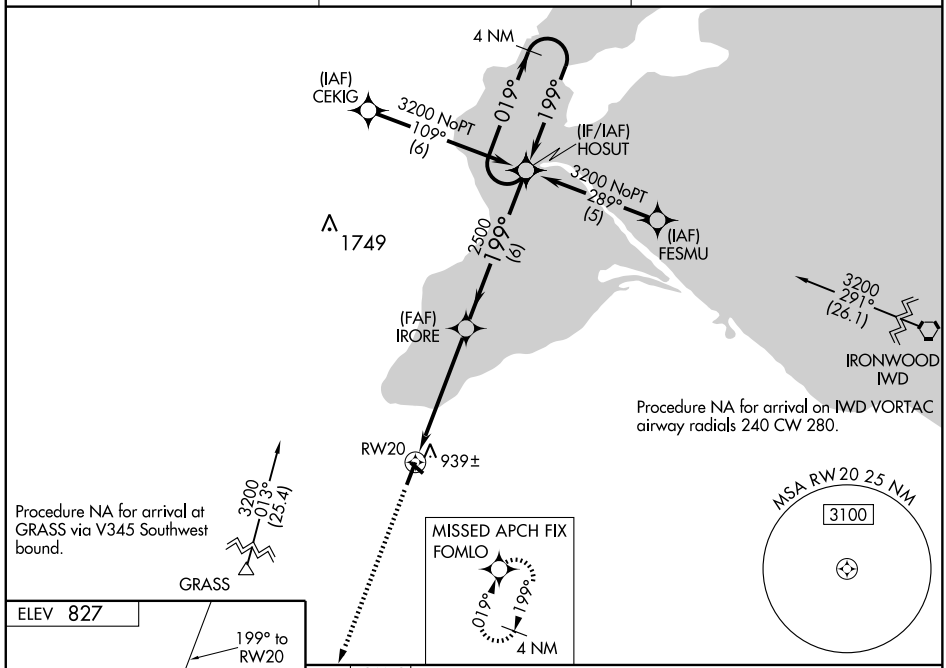
RNAV (GPS) RWY 20

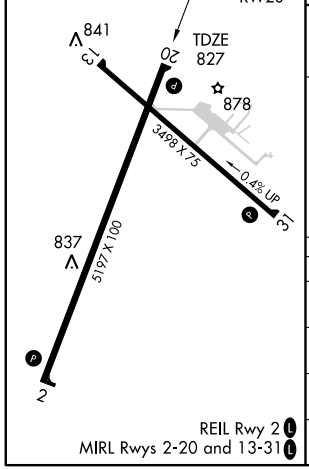
ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

Baro-VNAV NA when using Ironwood altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Ironwood altimeter setting and increase all DAs 132 feet and LPV all Cats. visibility ½ mile, LNAV/VNAV all Cats. visibility ¼mile, increase all MDAs 140 feet and LNAV Cat. C and D visibility ½ mile and Circling Cat. D visibility ¼ mile.

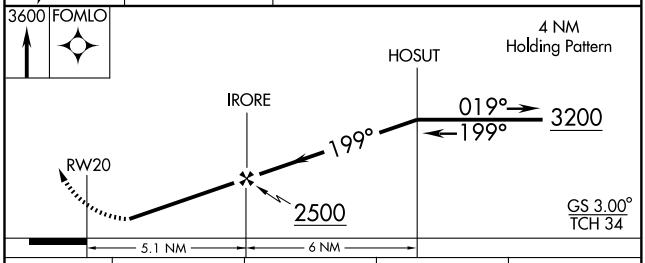
MISSED APPROACH: Climb to 3600 direct FOMLO and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L





REIL Rwy 2 L
MIRL Rwys 2-20 and 13-31 L



CATEGORY	A	B	C	D
LPV DA	1187-1¼ 360 (400-1¼)			
LNAV/ VNAV DA	1209-1½ 382 (400-1½)			
LNAV MDA	1200-1 373 (400-1)			1200-1¼ 373 (400-1¼)
CIRCLING	1240-1 413 (500-1)	1280-1 453 (500-1)	1280-1½ 453 (500-1½)	1380-2 553 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 65807 W31A	APP CRS 309°	Rwy ldg 3498 TDZE 827 Apt Elev 827

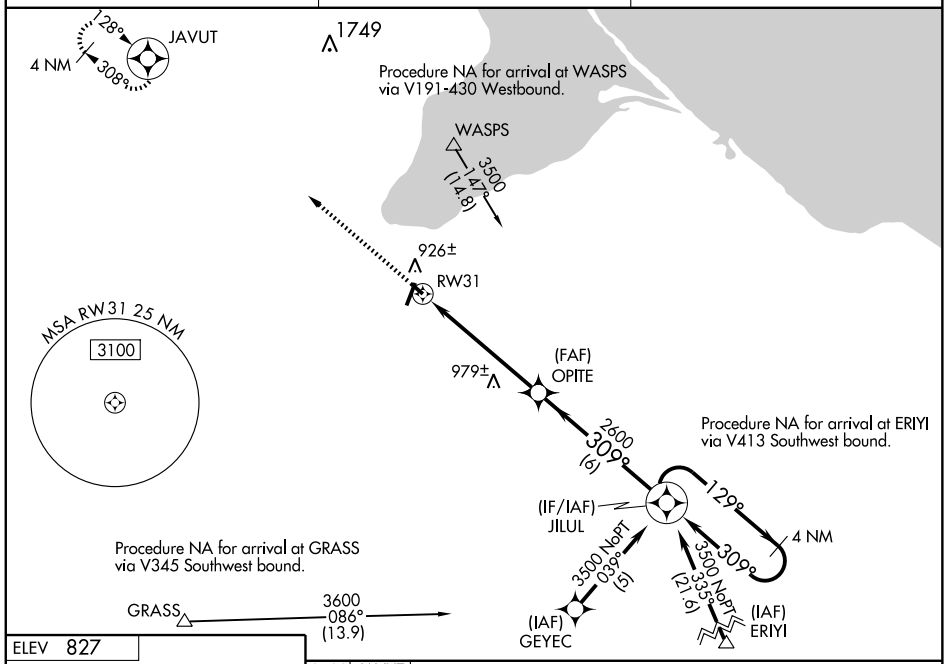
RNAV (GPS) RWY 31

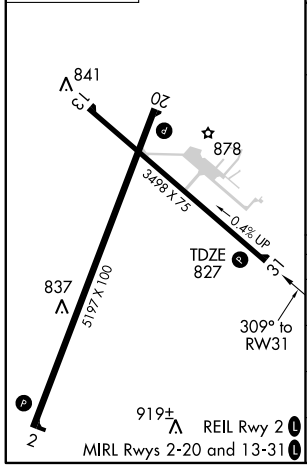
ASHLAND/JOHN F. KENNEDY MEMORIAL (ASX)

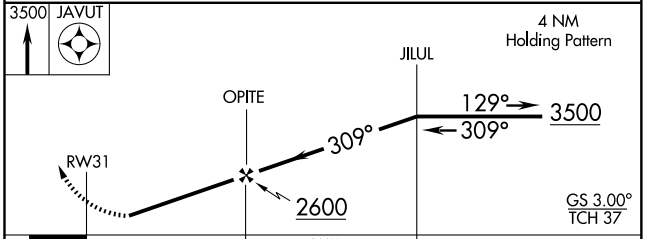
T A Baro-VNAV NA when using Ironwood altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Ironwood altimeter setting and increase all DAs 132 feet and LPV and LNAV/VNAV all Cats visibility ½ mile, increase all MDAs 140 feet and LNAV Cat. D visibility ½ mile, LNAV Cat. C and Circling Cat. D visibility ¼ mile.

MISSED APPROACH: Climb to 3500 direct JAVUT and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1120-1 293 (300-1)			
LNAV/VNAV DA	1189-1¼ 362 (400-1¼)			
LNAV MDA	1240-1 413 (500-1)		1240-1¼ 413 (500-1¼)	
CIRCLING	1240-1 413 (500-1)	1280-1 453 (500-1)	1280-1½ 453 (500-1½)	1380-2 553 (600-2)

VOR/DME ASX 110.2 Chan 39	APP CRS 024°	Rwy ldg 5197 TDZE 826 Apt Elev 827

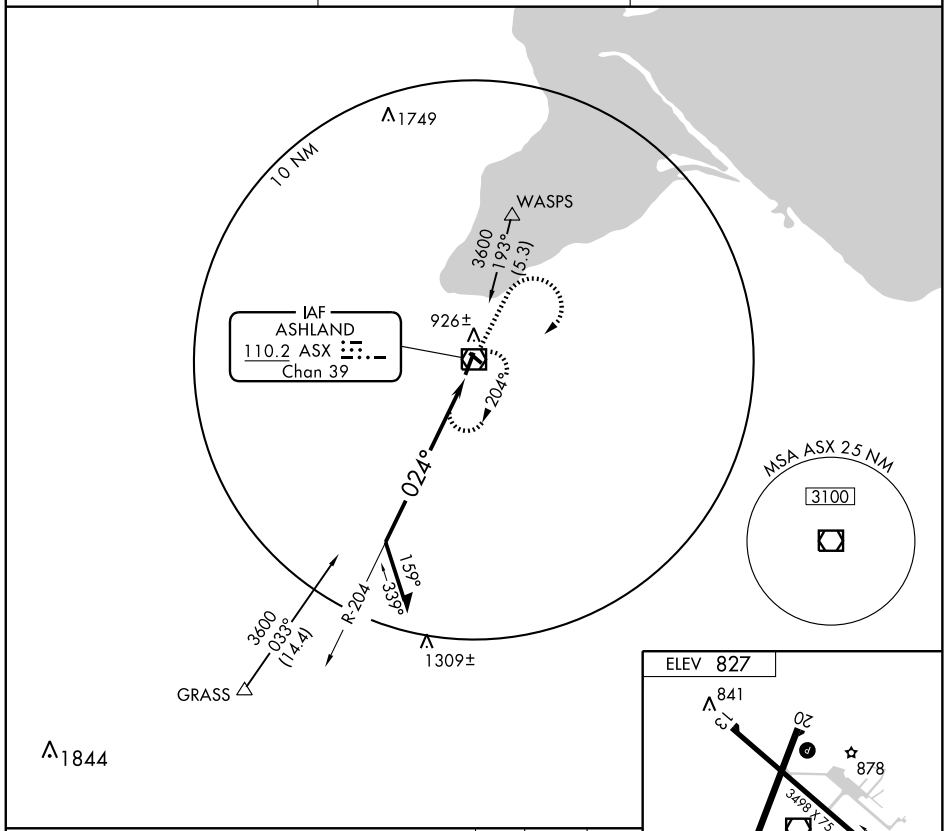
VOR RWY 2

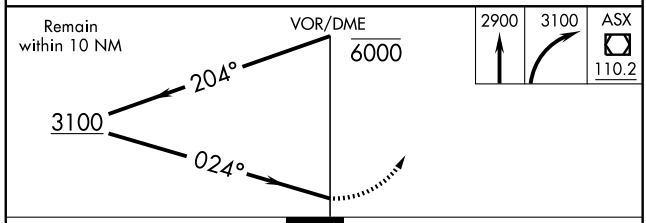
ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

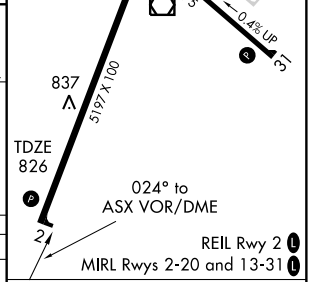
Visibility reduction by helicopters NA. When local altimeter setting not received, use Ironwood altimeter setting and increase all MDAs 140 feet and visibility Cat. A ¼ mile, Cat. C and D ½ mile.

MISSED APPROACH: Climb to 2900 then climbing right turn 3100 direct ASX VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-2	1620-1 794 (800-1)	1620-1¼ 794 (800-1¼)	1620-2¼ 794 (800-2¼)	1620-2½ 794 (800-2½)
CIRCLING	1620-1 793 (800-1)	1620-1¼ 793 (800-1¼)	1620-2¼ 793 (800-2¼)	1620-2½ 793 (800-2½)

Knots	60	90	120	150	180
Min:Sec					

VOR/DME ASX 110.2 Chan 39	APP CRS 302°	Rwy ldg 3498 TDZE 827 Apt Elev 827

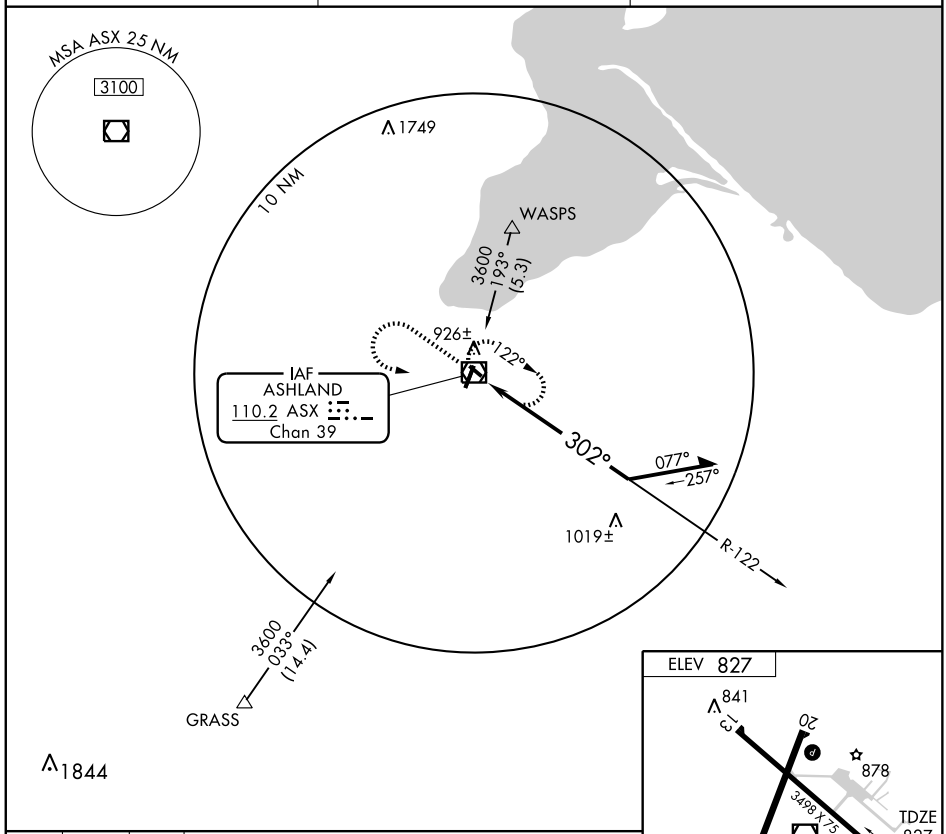
VOR RWY 31

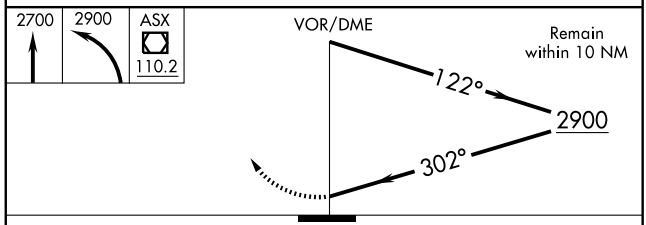
ASHLAND/ JOHN F. KENNEDY MEMORIAL (ASX)

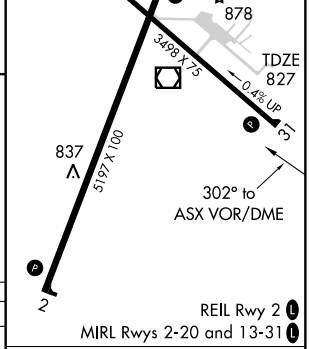
Visibility reduction by helicopters NA. When local altimeter setting not received, use Ironwood altimeter setting and increase all MDAs 140 feet, increase S-31 visibility Cat. C and D ½ mile, increase circling visibility Cat. C ½ mile, Cat. D ¼ mile.

MISSED APPROACH: Climb to 2700 then climbing left turn to 2900 direct ASX VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	126.45 276.4	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-31	1400-1 573 (600-1)		1400-1½ 573 (600-1½)	1400-1¾ 573 (600-1¾)
CIRCLING	1400-1 573 (600-1)		1400-1½ 573 (600-1½)	1400-2 573 (600-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-DLL 109.15 Chan 28 (Y)	APP CRS 010°	Rwy ldg 4800 TDZE 980 Apt Elev 980

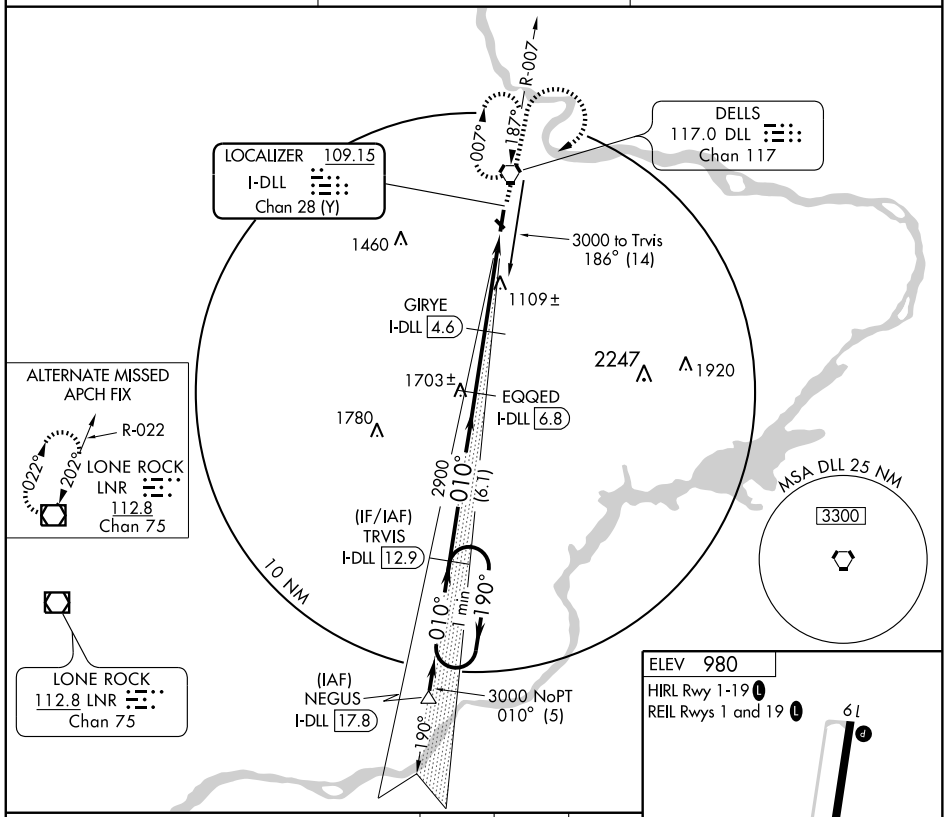
LOC/DME RWY 1
BARABOO WISCONSIN DELLS (DLL)

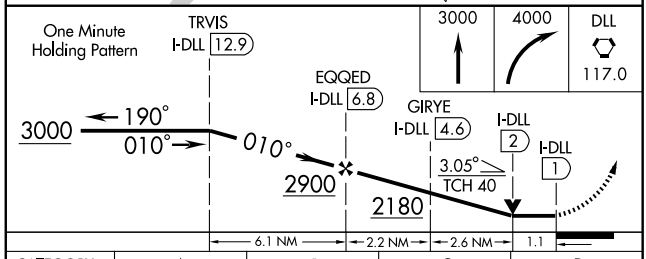
If local altimeter setting not received, use Tri-County Rgnl altimeter setting and increase all MDAs 100 feet. VDP NA when using Tri-County Rgnl altimeter setting. Circling NA to Rwy 14-32.

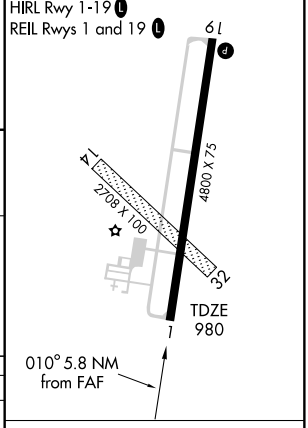
NA

MISSED APPROACH: Climb to 3000 then climbing right turn to 4000 direct DLL VORTAC and hold.

AWOS-3	MADISON APP CON ★	UNICOM
118.325	135.45 343.7	123.05 (CTAF) L







CATEGORY	A	B	C	D
S-1	1360-1 380 (400-1)			NA
CIRCLING	1540-1 560 (600-1)		1560-1½ 580 (600-1½)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

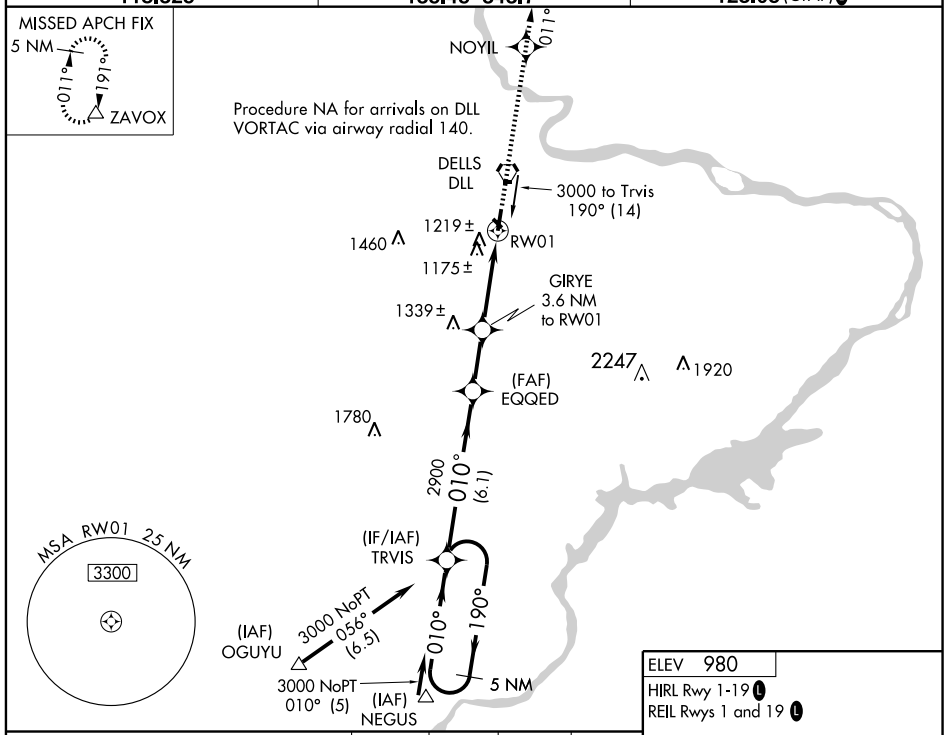
WAAS CH 53304 W01A	APP CRS 010°	Rwy ldg 4800 TDZE 980 Apt Elev 980

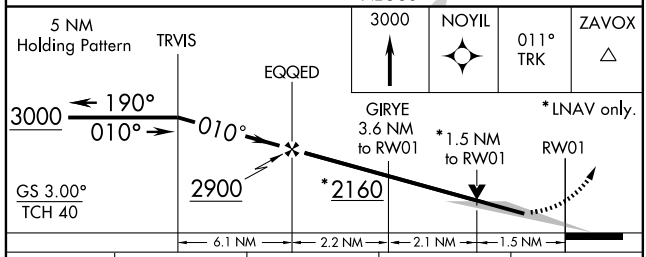
RNAV (GPS) RWY 1
BARABOO WISCONSIN DELLS (DLL)

If local altimeter setting not received, use Tri-County Rgnl altimeter setting and increase all DAs 97 feet/MDAs 100 feet. Baro-VNAV NA when using Tri-County Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Circling NA to Rwy 14-32.

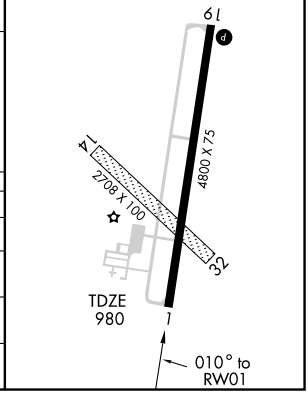
MISSED APPROACH: Climb to 3000 direct NOYIL and via 011° track to ZAVOX and hold.

AWOS-3	MADISON APP CON★	UNICOM
118.325	135.45 343.7	123.05 (CTAF) L





ELEV 980
HIRL Rwy 1-19 L
REIL Rwys 1 and 19 L



CATEGORY	A	B	C	D
LPV DA	1275-1 295 (300-1)			NA
LNAV/VNAV DA	1495-1¾ 515 (600-1¾)			NA
LNAV MDA	1480-1 500 (500-1)		1480-1¼ 500 (500-1¼)	NA
CIRCLING	1540-1 560 (600-1)		1560-1½ 580 (600-1½)	NA

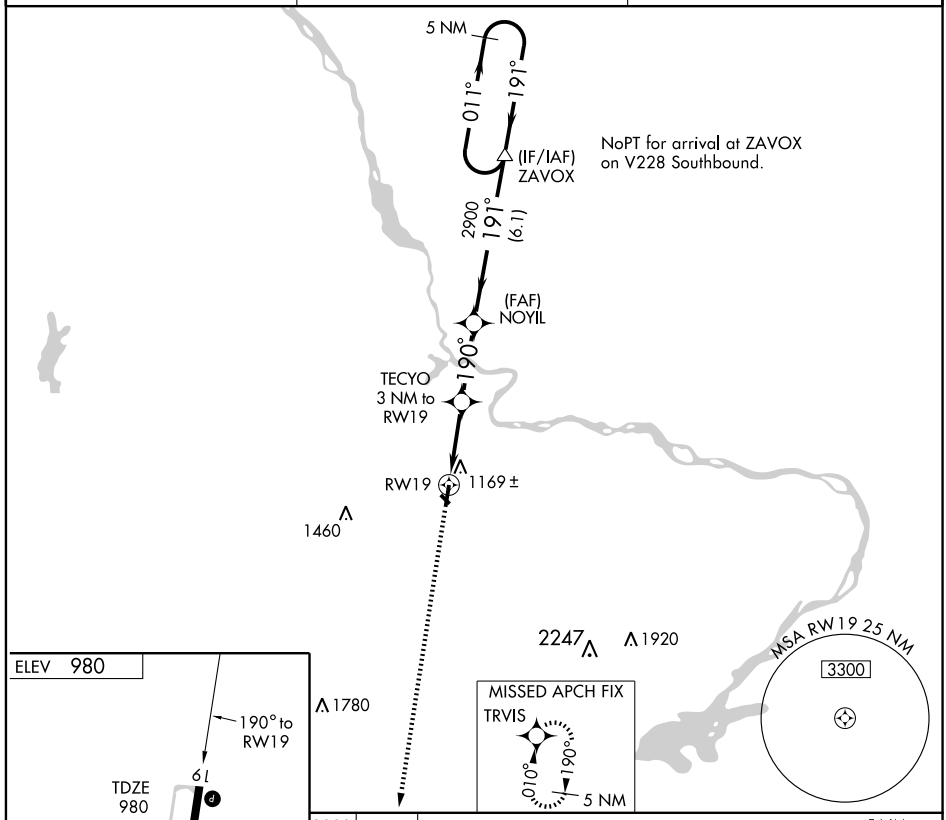
APP CRS	Rwy ldg	4800
190°	TDZE	980
	Apt Elev	980

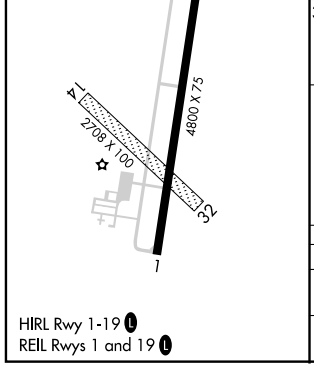
RNAV (GPS) RWY 19
BARABOO WISCONSIN DELLS (DLL)

If local altimeter setting not received, use Tri-County Rgnl altimeter setting and increase all MDAs 100 feet. Visibility reduction by helicopters NA. Circling NA to Rwy 14-32. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct TRVIS and hold.

AWOS-3	MADISON APP CON *	UNICOM
118.325	135.45 343.7	123.05 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1420-1 440 (500-1)		1420-1¼ 440 (500-1¼)	NA
CIRCLING	1540-1 560 (600-1)		1560-1½ 580 (600-1½)	NA

HIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

EC-3, 14 JAN 2010 to 11 FEB 2010

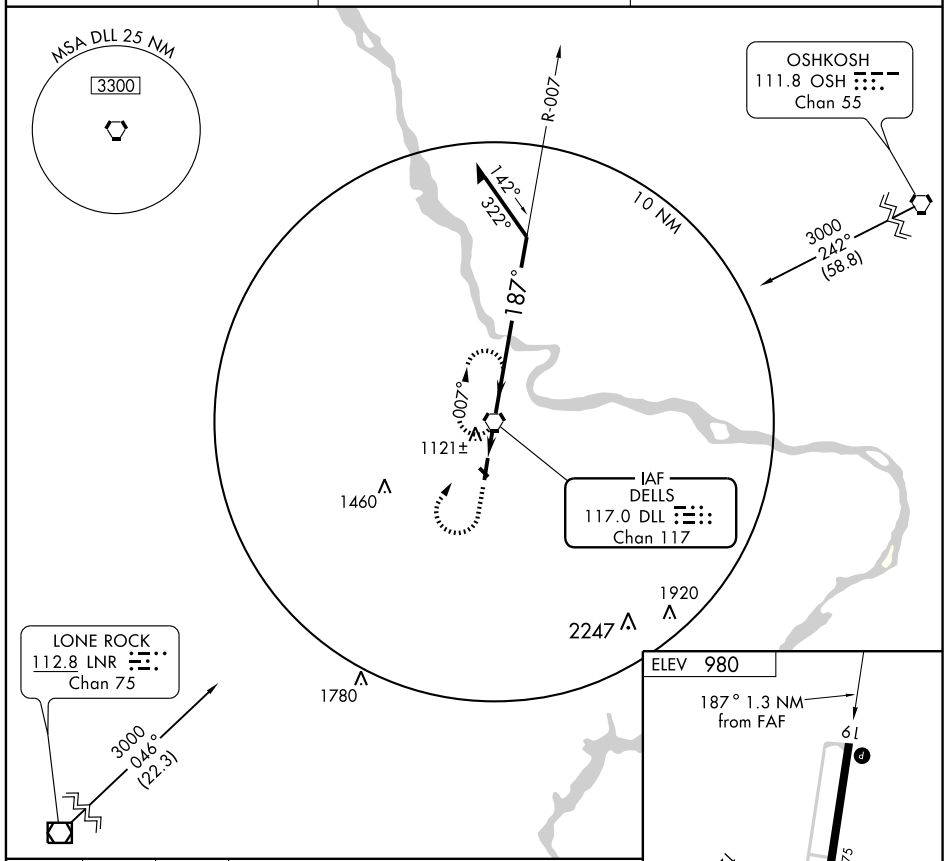
VORTAC DLL 117.0 Chan 117	APP CRS 187°	Rwy ldg N/A TDZE N/A Apt Elev 980

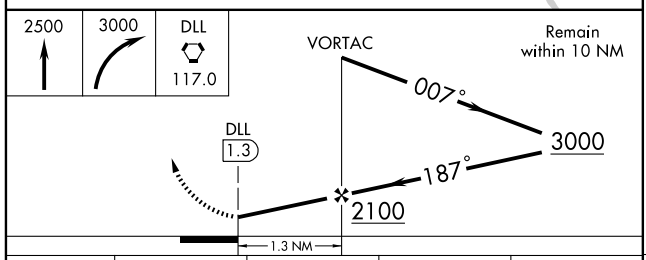
VOR-A
BARABOO WISCONSIN DELLS (DLL)

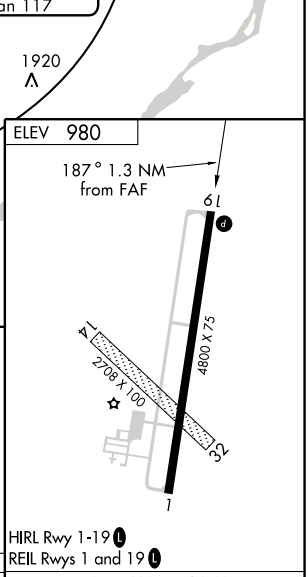
If local altimeter setting not received, use Tri-County Rgnl altimeter setting and increase all MDAs 100 feet. Circling NA to Rwy 14-32.

MISSED APPROACH: Climb to 2500 then climbing right turn to 3000 direct DLL VORTAC and hold.

AWOS-3	MADISON APP CON ★	UNICOM
118.325	135.45 343.7	123.05 (CTAF) L







HIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

CATEGORY	A	B	C	D
CIRCLING	1580-1 600 (600-1)		1580-1½ 600 (600-1½)	NA

FAF to MAP 1.3 NM					
Knots	60	90	120	150	180
Min:Sec	1:18	0:52	0:39	0:31	0:26

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR/DME JVL	APP CRS	Rwy ldg	N/A
114.3	118°	TDZE	N/A
Chan 90		Apt Elev	817

VOR or GPS-A

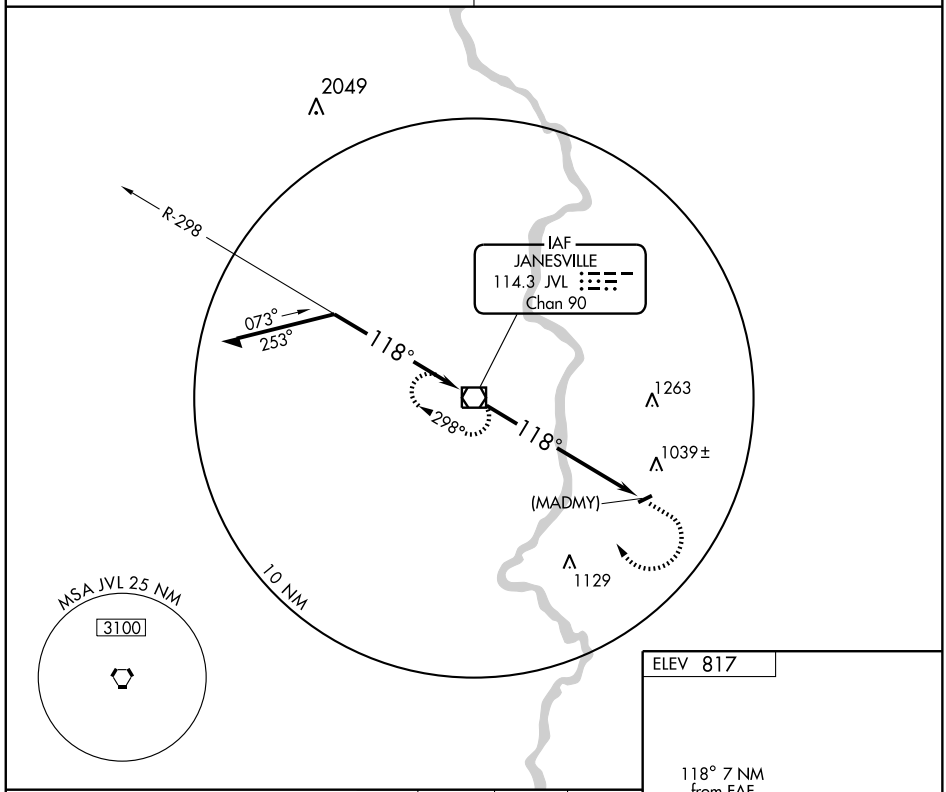
BELOIT (44C)

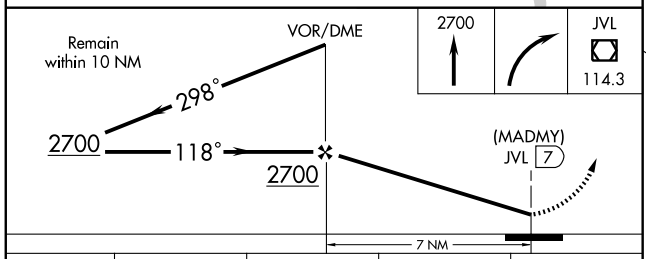
NA Use Janesville altimeter setting; when not received, use Rockford altimeter setting.

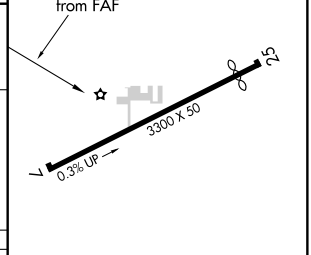
MISSED APPROACH: Climb to 2700 then right turn direct JVL VOR/DME and hold.

ROCKFORD APP CON
121.0 327.0

UNICOM
122.7 (CTAF) L







LIRL Rwy 7-25 L

CATEGORY	A	B	C	D
CIRCLING	1380-1	563 (600-1)	NA	

ROCKFORD ALTIMETER SETTING MINIMUMS

CIRCLING	1420-1	603 (700-1)	NA	

FAF to MAP 7 NM

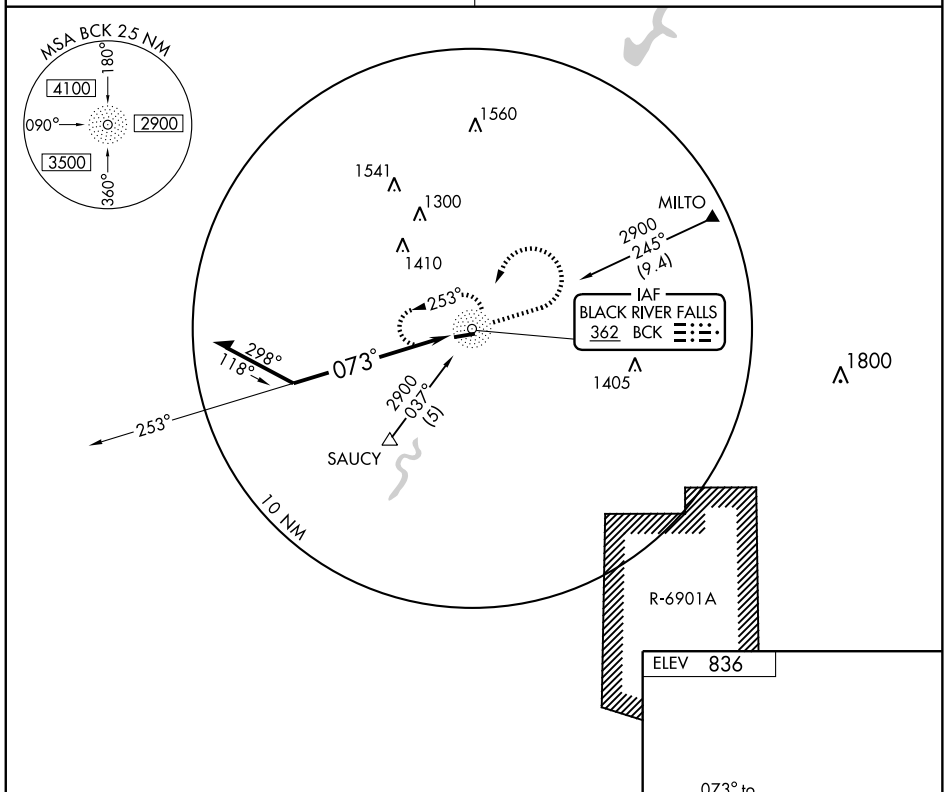
Knots	60	90	120	150	180
Min:Sec	7:00	4:40	3:30	2:48	2:20

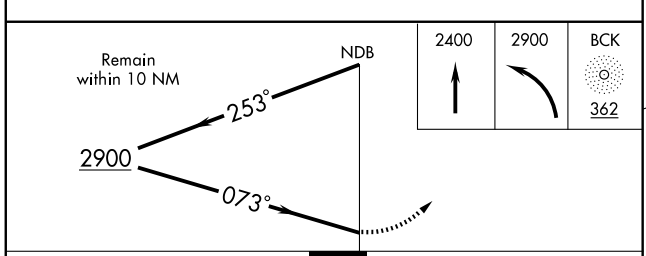
EC-3, 14 JAN 2010 to 11 FEB 2010

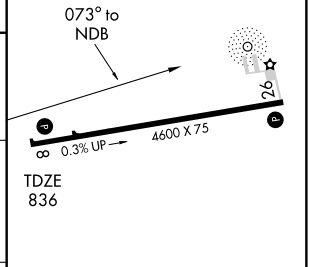
BCK NDB 362	APP CRS 073°	Rwy ldg 4600 TDZE 836 Apt Elev 836

NDB RWY 8
BLACK RIVER FALLS AREA (BCK)

NA Use La Crosse altimeter setting.	MISSED APPROACH: Climb to 2400 then climbing left turn to 2900 direct BCK NDB and hold.
MINNEAPOLIS CENTER **128.6 363.0**	CTAF **122.9** L







CATEGORY	A	B	C	D
S-8	1920-1¼ 1084 (1100-1¼)	1920-1½ 1084 (1100-1½)	1920-3	1084 (1100-3)
CIRCLING	1920-1¼ 1084 (1100-1¼)	1920-1½ 1084 (1100-1½)	1920-3	1084 (1100-3)

REIL Rwy 8 L
MIRL Rwy 8-26 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4600
080°	TDZE	836
	Apt Elev	836

RNAV (GPS) RWY 8
BLACK RIVER FALLS AREA (BCK)

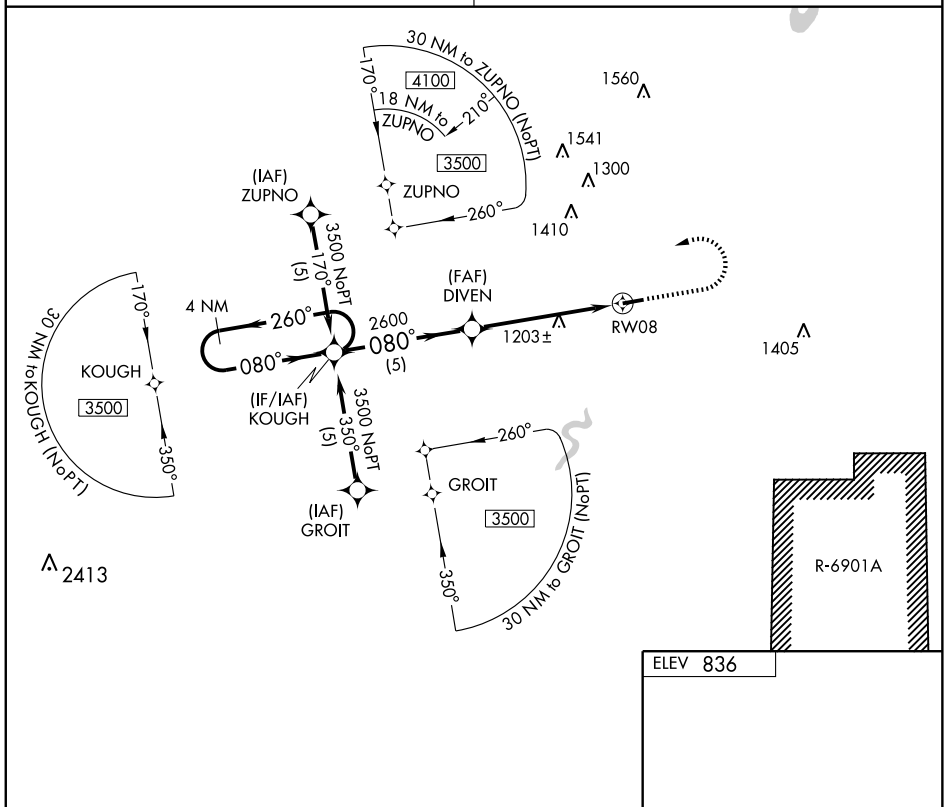
Use La Crosse altimeter setting.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

NA

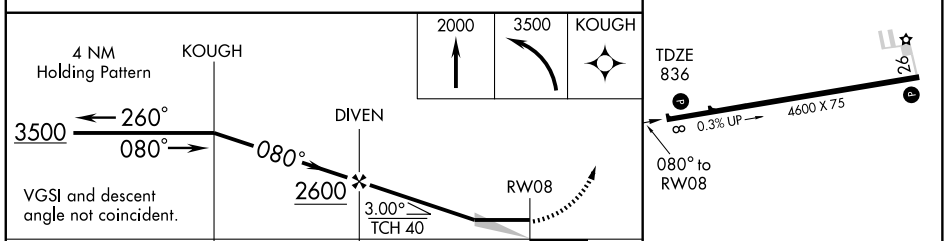
MISSED APPROACH: Climb to 2000 then climbing left turn to 3500 direct KOUGH WP and hold.

MINNEAPOLIS CENTER
128.6 363.0

CTAF
122.9 L



ELEV 836



CATEGORY	A	B	C	D
LNAV MDA	1560-1 724 (800-1)		1560-2 724 (800-2)	1560-2¼ 724 (800-2¼)
CIRCLING	1560-1 724 (800-1)		1560-2 724 (800-2)	1580-2½ 744 (800-2½)

REIL Rwy 8 L
MIRL Rwy 8-26 L

EC-3. 14 JAN 2010 to 11 FEB 2010

BOSCOBEL, WISCONSIN

AL-6361 (FAA)

WAAS CH 77902 W07A	APP CRS 068°	Rwy ldg 5000 TDZE 670 Apt Elev 673

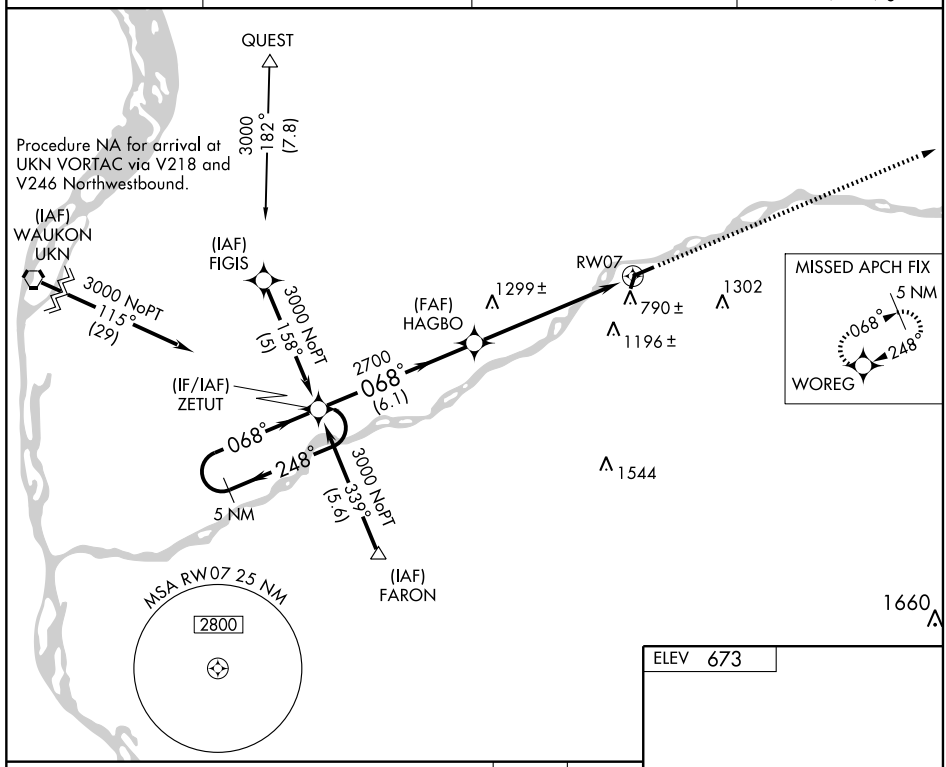
RNAV (GPS) RWY 7

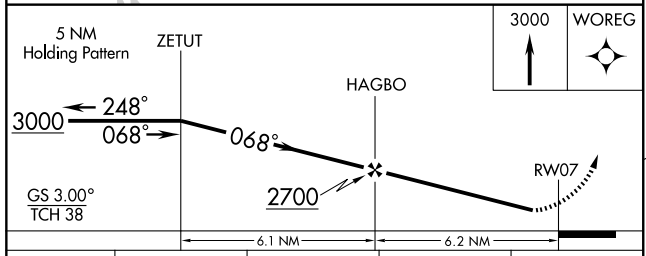
BOSCOBEL (OVS)

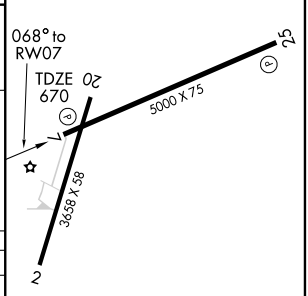
If local altimeter setting not received, use Lone Rock altimeter setting and increase all DAs/MDAs 60 feet.
Visibility reduction by helicopters NA.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct WOREG and hold.

ASOS	CHICAGO CENTER	GCO	UNICOM
126.775	133.3 380.35	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1040-1¼ 370 (400-1¼)			NA
LNAV MDA	1560-1¼ 890 (900-1¼)		1560-2¾ 890 (900-2¾)	NA
CIRCLING	1560-1¼ 887 (900-1¼)		1580-2¾ 907 (1000-2¾)	NA

REIL Rwy 7 and 25 L
MIRL Rwys 2-20 and 7-25 L

EC-3. 14 JAN 2010 to 11 FEB 2010

BOSCOBEL, WISCONSIN

AL-6361 (FAA)

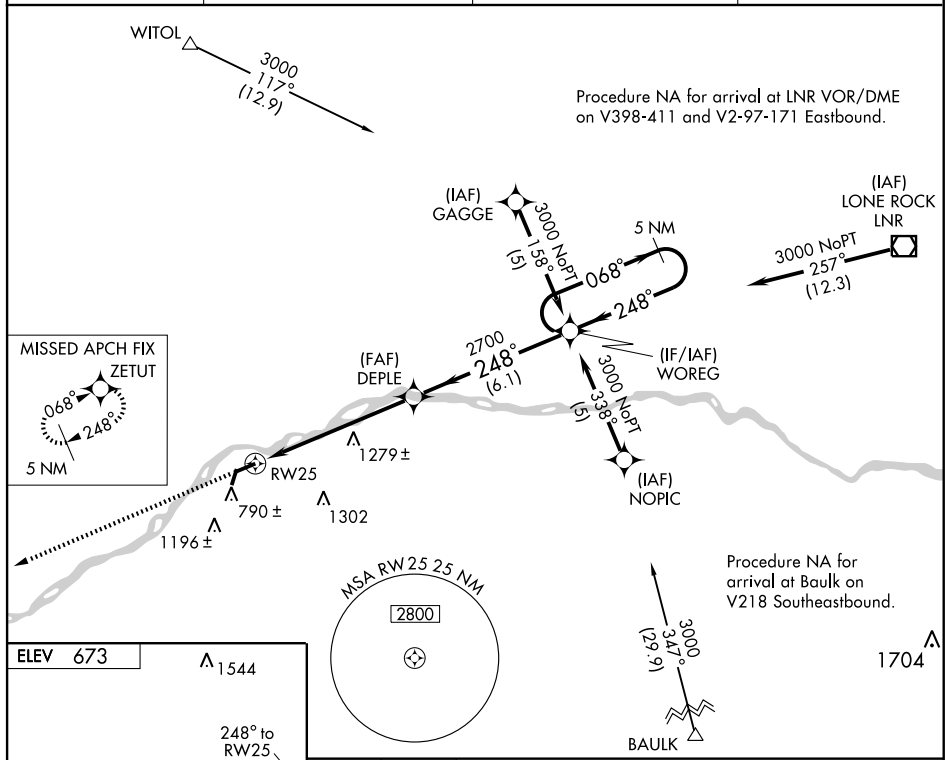
RNAV (GPS) RWY 25
BOSCOBEL (OVS)

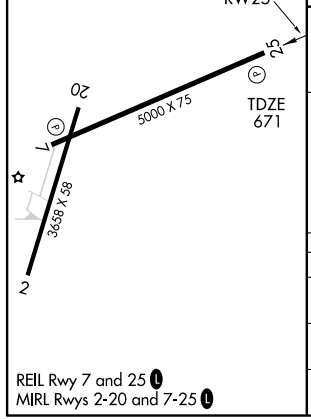
WAAS CH 82505 W25A	APP CRS 248°	Rwy ldg 5000 TDZE 671 Apt Elev 673

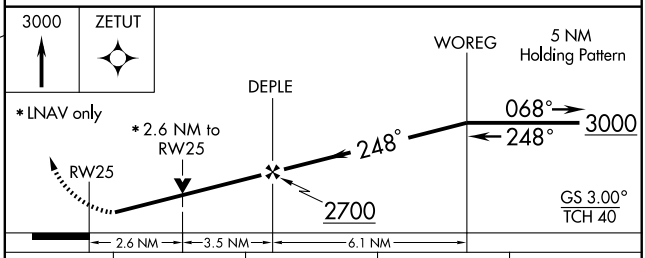
If local altimeter setting not received, use Lone Rock altimeter setting and increase all DAs/MDAs 60 feet.
Visibility reduction by helicopters NA.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct ZETUT and hold.

ASOS	CHICAGO CENTER	GCO	UNICOM
126.775	133.3 380.35	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	979-1 308 (400-1)			NA
LNAV MDA	1540-1 869 (900-1)	1540-1¼ 869 (900-1¼)	1540-2½ 869 (900-2½)	NA
CIRCLING	1560-1¼ 887 (900-1¼)		1580-2¾ 907 (1000-2¾)	NA

REIL Rwy 7 and 25 L
MIRL Rwys 2-20 and 7-25 L

EC-3, 14 JAN 2010 to 11 FEB 2010

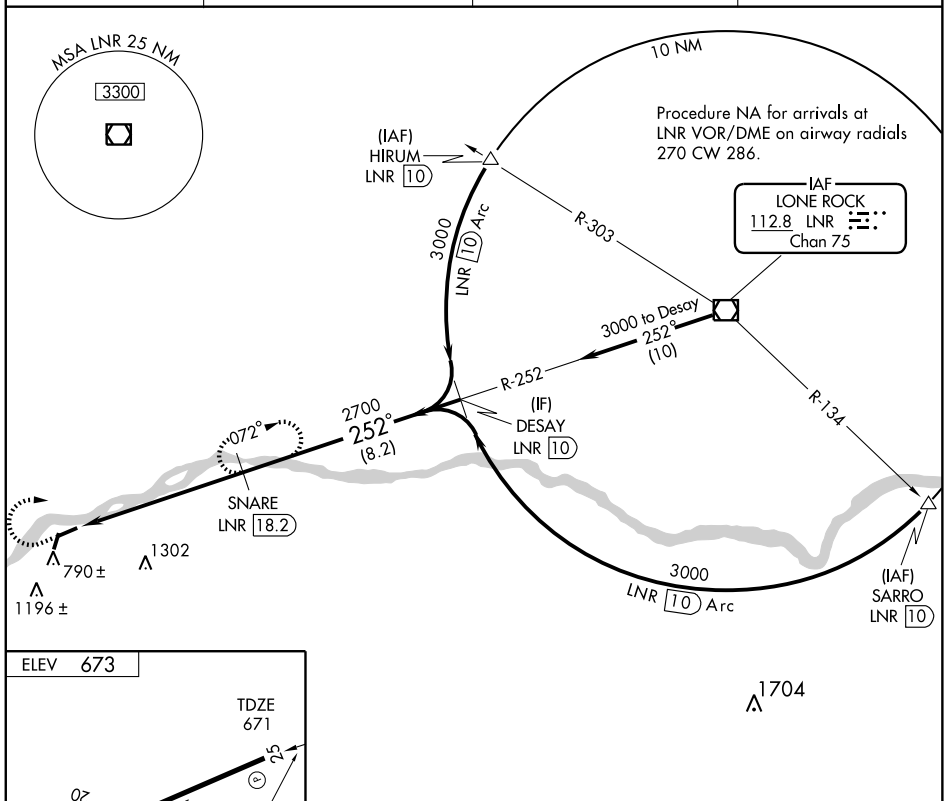
VOR/DME LNR 112.8 Chan 75	APP CRS 252°	Rwy ldg 5000 TDZE 671 Apt Elev 673

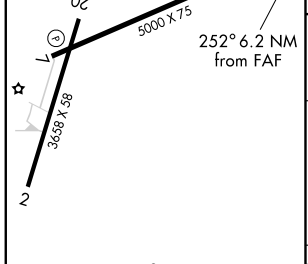
VOR/DME RWY 25
BOSCOBEL (OVS)

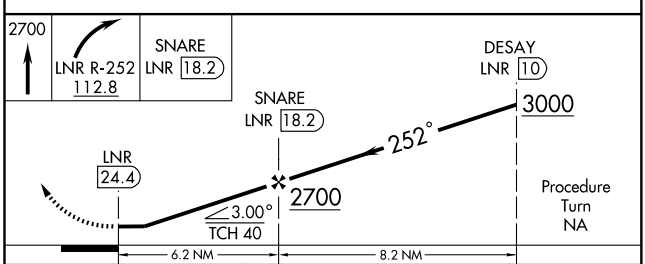
If local altimeter setting not received, use Lone Rock altimeter setting and increase all MDAs 60 feet. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2700 then right turn via LNR VOR/DME R-252 to SNARE/LNR 18.2 DME and hold.

ASOS	CHICAGO CENTER	GCO	UNICOM
126.775	133.3 380.35	121.725	122.8 (CTAF) L







REIL Rwy 7 and 25 L
MIRL Rwys 2-20 and 7-25 L

Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-25	1620-1¼ 949 (1000-1¼)		1620-2¾ 949 (1000-2¾)	NA
CIRCLING	1620-1¼ 947 (1000-1¼)		1620-2¾ 947 (1000-2¾)	NA

APP CRS	Rwy ldg	3300
083°	TDZE	964
	Apt Elev	967

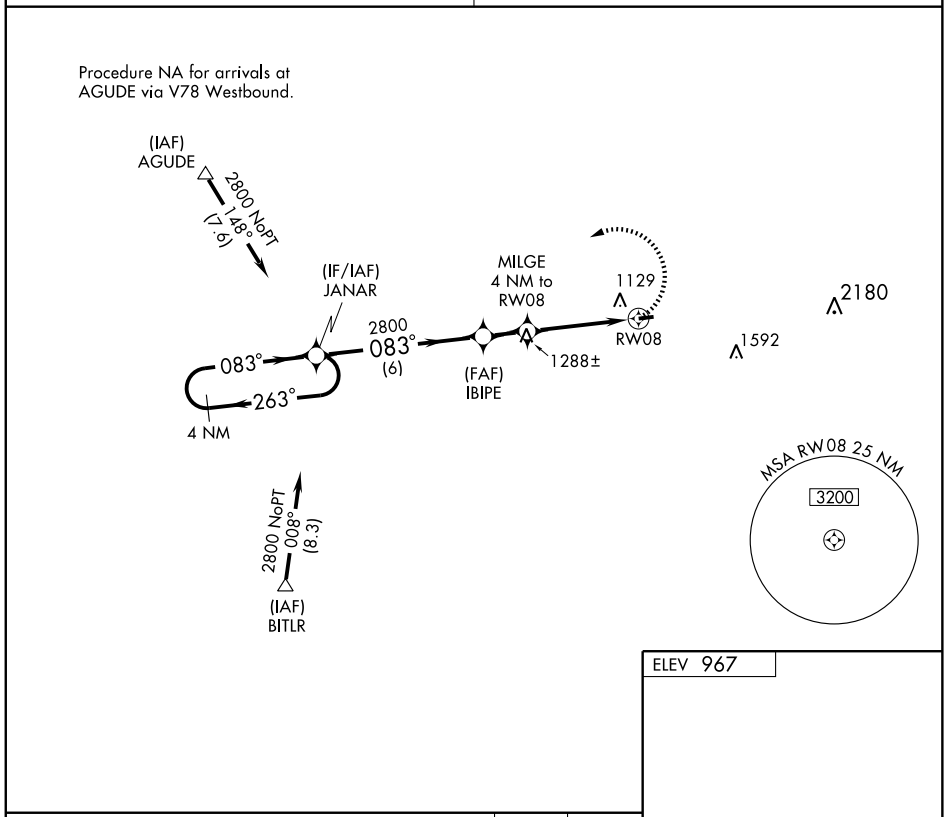
RNAV (GPS) RWY 8
BOYCEVILLE MUNI (3T3)

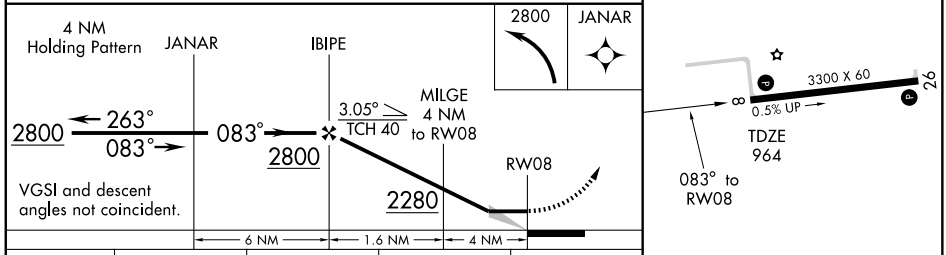
NA

Use New Richmond Rgnl altimeter setting.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 2800 direct JANAR and hold.

MINNEAPOLIS CENTER	UNICOM
125.3 335.6	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1440-1 476 (500-1)		1440-1¼ 476 (500-1¼)	NA
CIRCLING	1680-1 713 (800-1)		1680-2 713 (800-2)	NA

MIRL Rwy 8-26 L
REIL Rwy 26 L

BOYCEVILLE, WISCONSIN

AL-10056 (FAA)

APP CRS	Rwy ldg	3300
264°	TDZE	967
	Apt Elev	967

RNAV (GPS) RWY 26

BOYCEVILLE MUNI (3T3)

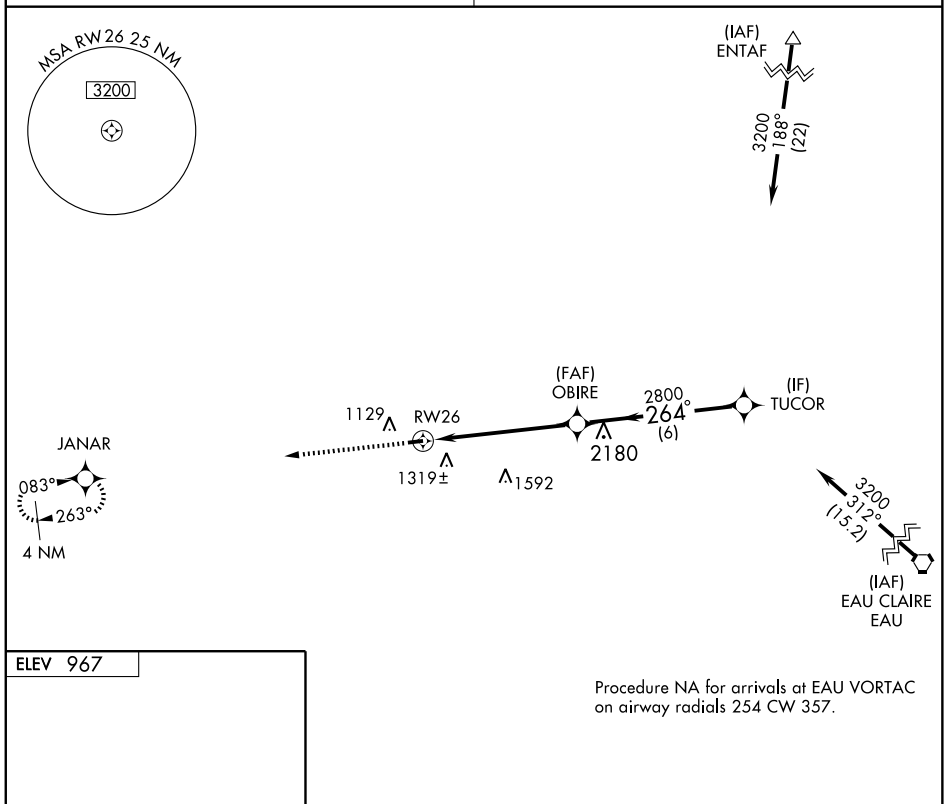
NA

Use New Richmond Rgnl altimeter setting.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2800 direct JANAR and hold.

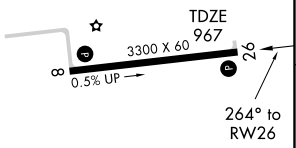
MINNEAPOLIS CENTER
125.3 335.6

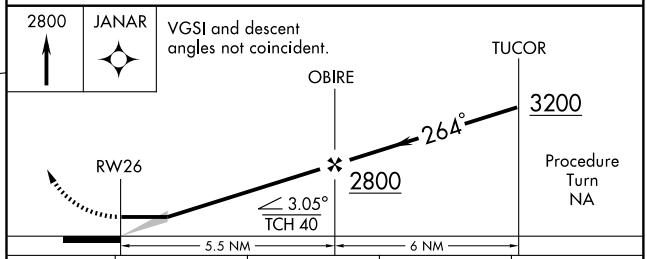
UNICOM
122.8 (CTAF) L



Procedure NA for arrivals at EAU VORTAC on airway radials 254 CW 357.

ELEV 967





CATEGORY	A	B	C	D
LNAV MDA	1480-1 513 (600-1)		1480-1½ 513 (600-1½)	NA
CIRCLING	1680-1 713 (800-1)		1680-2 713 (800-2)	NA

MIRL Rwy 8-26 L
REIL Rwy 26 L

EC-3, 14 JAN 2010 to 11 FEB 2010

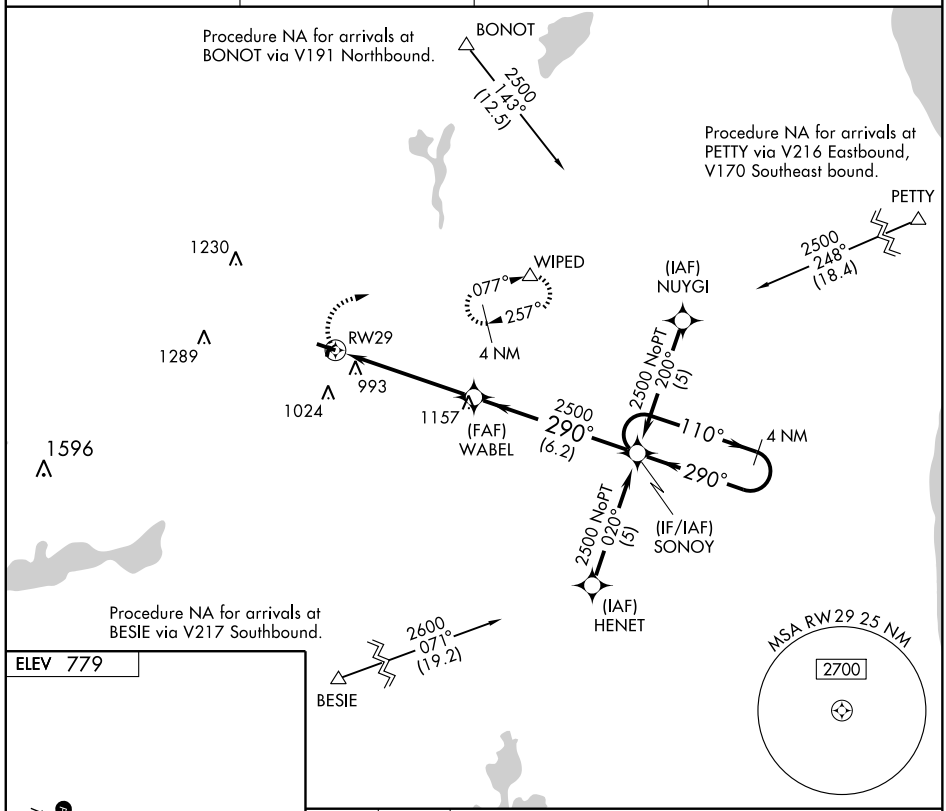
APP CRS	Rwy ldg	4300
290°	TDZE	779
	Apt Elev	779

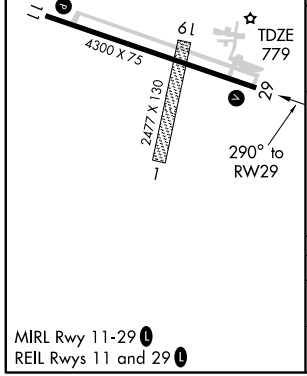
RNAV (GPS) RWY 29
BURLINGTON MUNI (BUU)

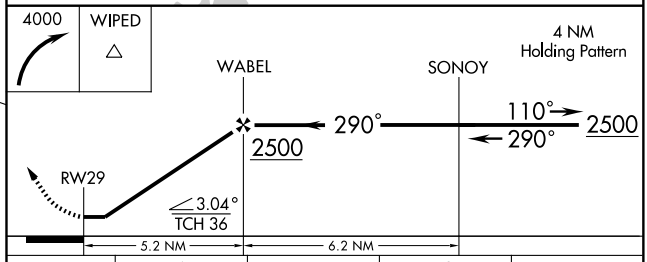
When local altimeter setting not received, use General Mitchell Intl altimeter setting and increase all MDAs 80 feet and LNAV and Circling Cats. C and D visibility ¼ mile. Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 4000 direct WIPED and hold, continue climb in hold to 4000.

AWOS-3	MILWAUKEE APP CON	GCO	UNICOM
114.50	125.35 307.0	121.725	123.05 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1320-1 541 (600-1)		1320-1½ 541 (600-1½)	1320-1¾ 541 (600-1¾)
CIRCLING	1340-1 561 (600-1)	1360-1 581 (600-1)	1360-1½ 581 (600-1½)	1380-2 601 (700-2)

MIRL Rwy 11-29 L
REIL Rwys 11 and 29 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC BAE 116.4 Chan 111	APP CRS 180°	Rwy ldg N/A TDZE N/A Apt Elev 779

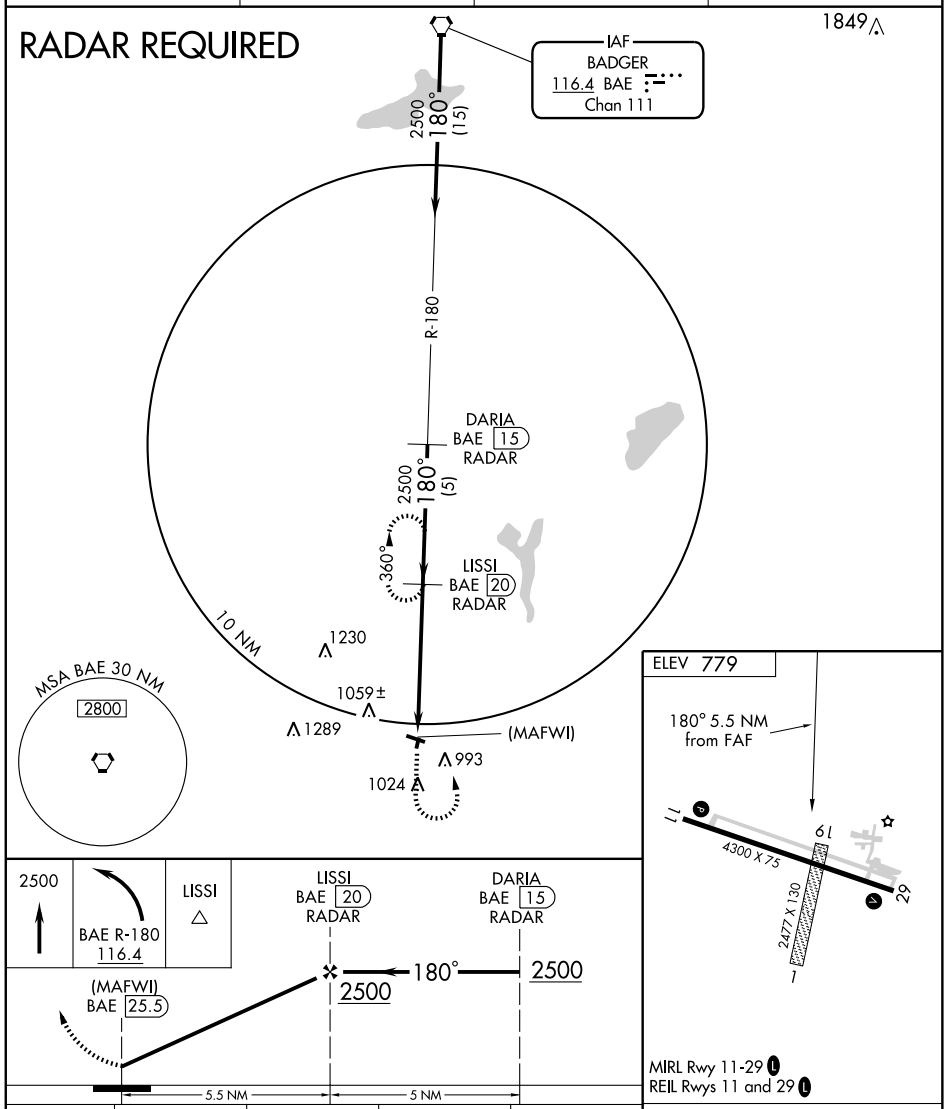
VOR or GPS-A
BURLINGTON MUNI (BUU)

NA

Use Milwaukee Mitchell altimeter setting.

MISSED APPROACH: Climb to 2500 then left turn via BAE R-180 to LISSI and hold.

AWOS-3	MILWAUKEE APP CON	GCO	UNICOM
114.50	125.35 307.0	121.725	123.05 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	1400-1 621 (700-1)	1400-1¼ 621 (700-1¼)	1440-1¾ 661 (700-1¾)	1440-2 661 (700-2)

FAF to MAP 5.5 NM					
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

EC-3. 14 JAN 2010 to 11 FEB 2010

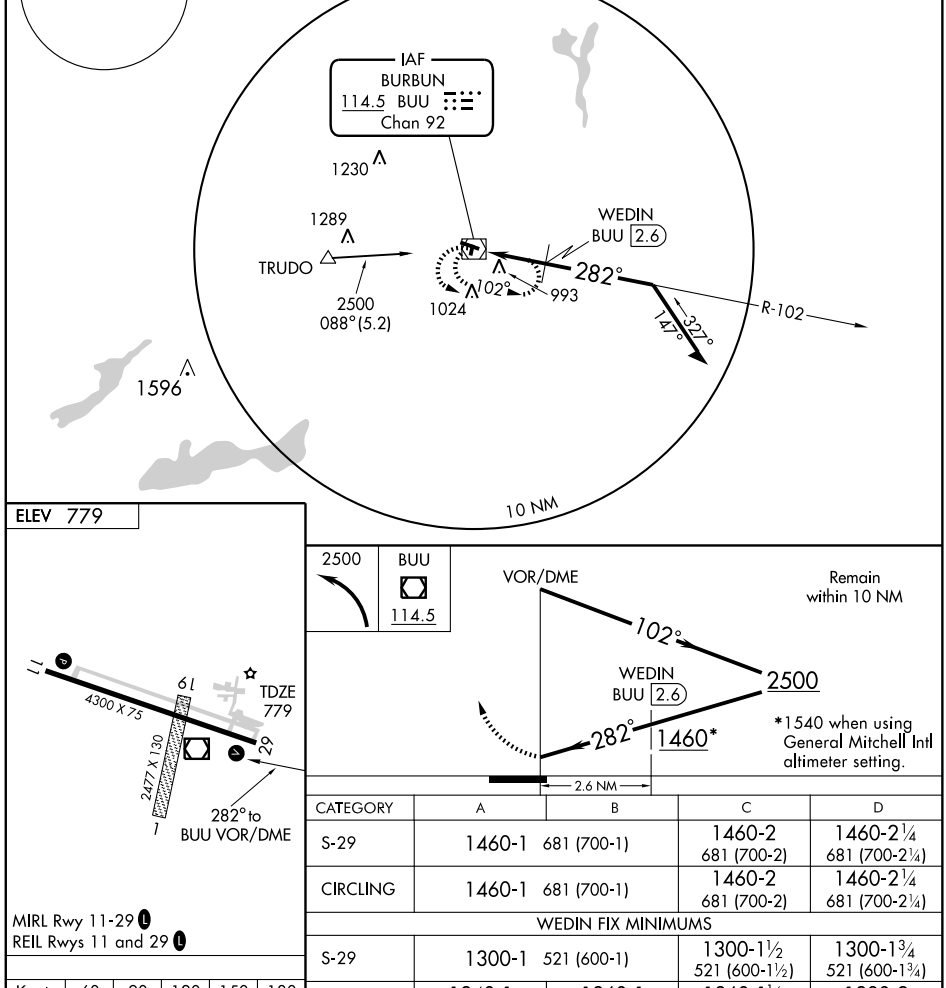
VOR/DME BUU 114.5 Chan 92	APP CRS 282°	Rwy ldg 4300 TDZE 779 Apt Elev 779

VOR RWY 29
BURLINGTON MUNI (BUU)

When local altimeter setting not received, use General Mitchell Intl altimeter setting and increase all MDAs 80 feet and increase S-29 and Circling Cats. B,C and D visibilities ¼ mile, and WEDIN Fix minimums S-29 and Circling Cats. C and D visibilities ¼ mile. Visibility reduction by helicopters NA.

MISSED APPROACH: Climbing left turn to 2500 in BUU VOR/DME holding pattern.

AWOS-3	MILWAUKEE APP CON	GCO	UNICOM
114.50	125.35 307.0	121.725	123.05 (CTAF) L



MIRL Rwy 11-29 L
REIL Rwys 11 and 29 L

Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-29	1460-1 681 (700-1)		1460-2 681 (700-2)	1460-2¼ 681 (700-2¼)
CIRCLING	1460-1 681 (700-1)		1460-2 681 (700-2)	1460-2¼ 681 (700-2¼)
WEDIN FIX MINIMUMS				
S-29	1300-1 521 (600-1)		1300-1½ 521 (600-1½)	1300-1¾ 521 (600-1¾)
CIRCLING	1340-1 561 (600-1)	1360-1 581 (600-1)	1360-1½ 581 (600-1½)	1380-2 601 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3709
345°	TDZE	1360
	Apt Elev	1360

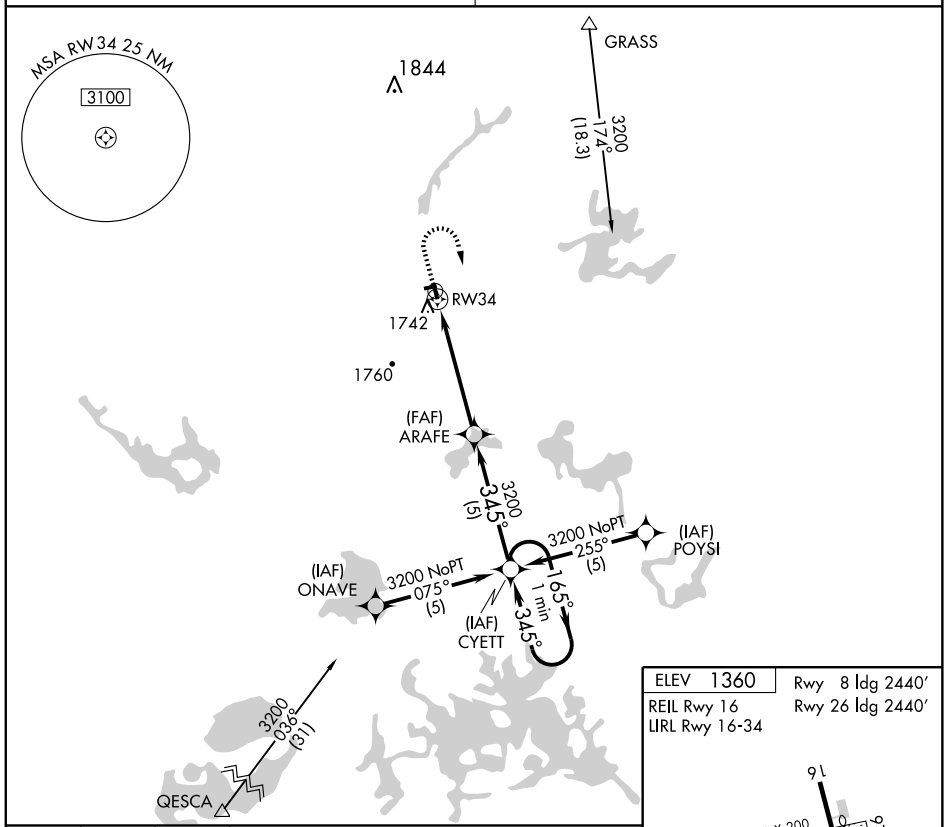
GPS RWY 34
CABLE UNION (3CU)

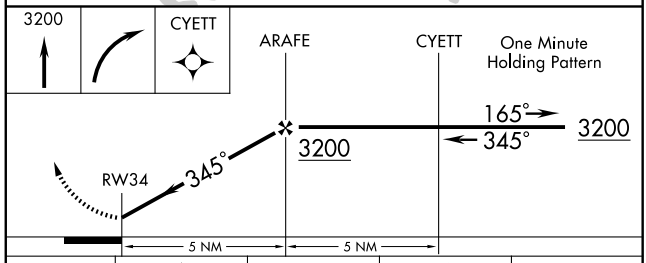
NA

Use Hayward altimeter setting.

MISSED APPROACH: Climb to 3200 then right turn direct CYETT WP and hold.

MINNEAPOLIS CENTER	UNICOM
126.45 276.4	**122.8** (CTAF)



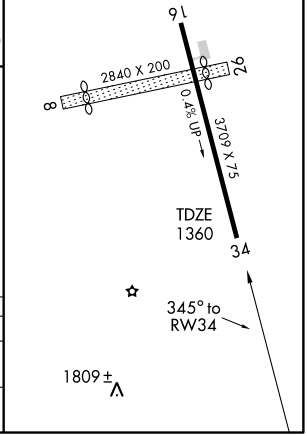


CATEGORY	A	B	C	D
S-34	2120-1 760 (800-1)	2120-1¼ 760 (800-1¼)	2120-2¼ 760 (800-2¼)	2120-2½ 760 (800-2½)
CIRCLING	2160-1 800 (800-1)	2160-1¼ 800 (800-1¼)	2160-2¼ 800 (800-2¼)	2160-2½ 800 (800-2½)

ELEV 1360

Rwy 8 ldg 2440′
Rwy 26 ldg 2440′

REIL Rwy 16
LIRL Rwy 16-34



NDB SLY 344	APP CRS 047°	Rwy ldg N/A TDZE N/A Apt Elev 1360

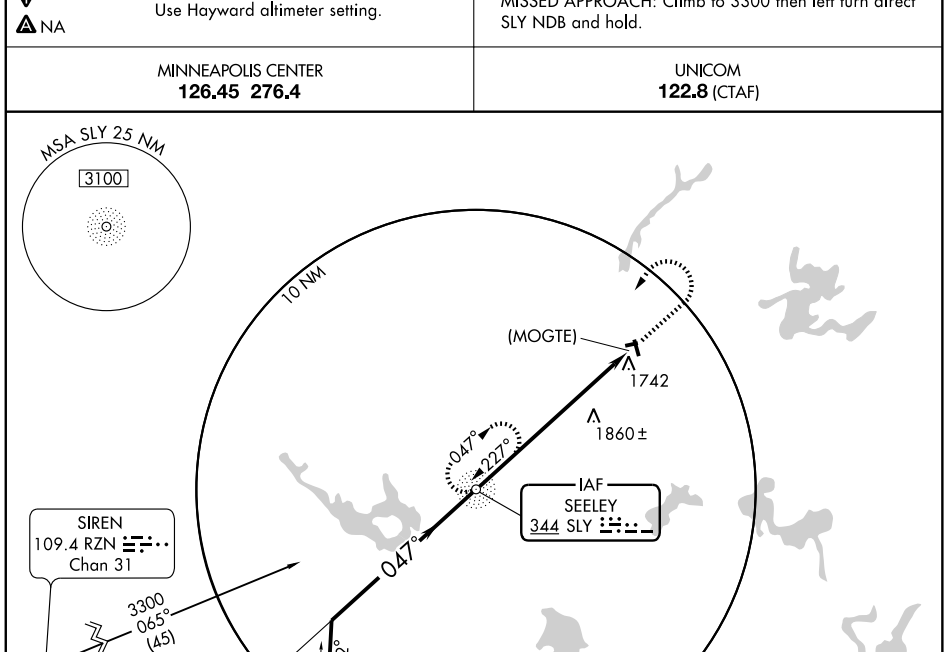
NDB or GPS-B
CABLE UNION (3CU)

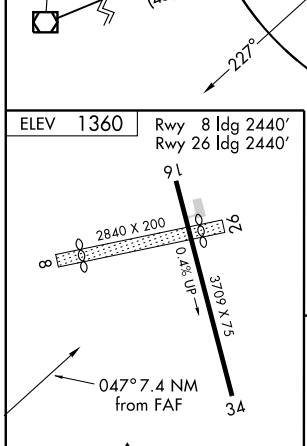
NA

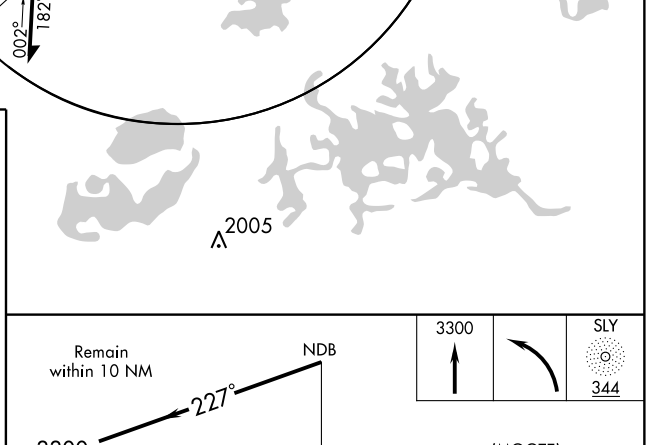
Use Hayward altimeter setting.

MISSED APPROACH: Climb to 3300 then left turn direct SLY NDB and hold.

MINNEAPOLIS CENTER	UNICOM
126.45 276.4	122.8 (CTAF)

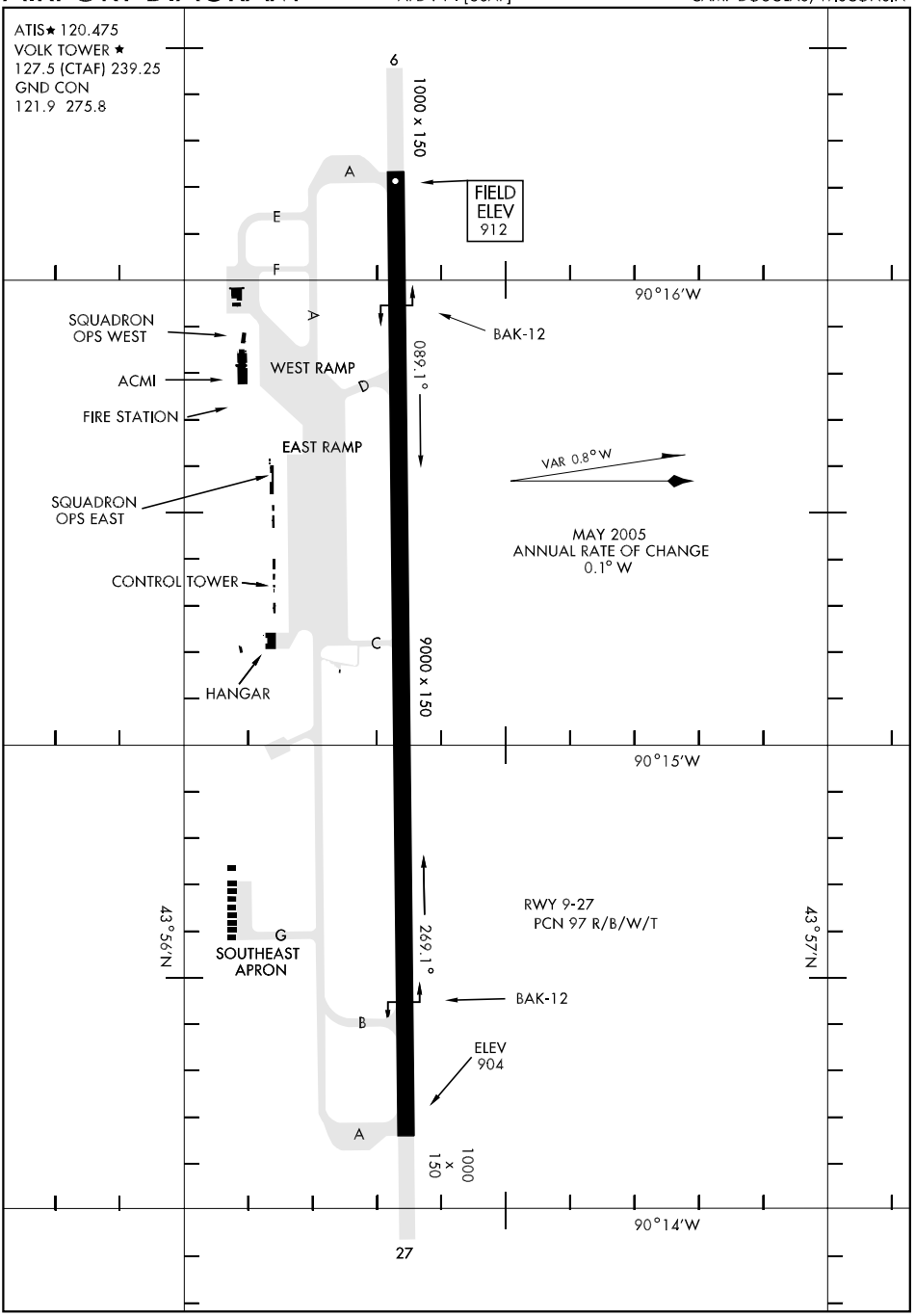






FAF to MAP 7.4 NM					
Knots	60	90	120	150	180
Min:Sec	7:24	4:56	3:42	2:58	2:28

CATEGORY	A	B	C	D
CIRCLING	2280-1¼ 920 (1000-1¼)		2280-2¾ 920 (1000-2¾)	2280-3 920 (1000-3)


ATIS★ 120.475
VOLK TOWER ★
127.5 (CTAF) 239.25
GND CON
121.9 275.8
6
1000 x 150
A
FIELD
ELEV
912
E
F
90°16'W
SQUADRON
OPS WEST
BAK-12
ACMI
WEST RAMP
D
089.1°
FIRE STATION
EAST RAMP
VAR 0.8° W
SQUADRON
OPS EAST
MAY 2005
ANNUAL RATE OF CHANGE
0.1° W
CONTROL TOWER
C
9000 x 150
HANGAR
90°15'W
43°56'N
G
SOUTHEAST
APRON
RWY 9-27
PCN 97 R/B/W/T
269.1°
43°57'N
BAK-12
B
ELEV
904
A
1000
x
150
90°14'W
27

HI-TACAN RWY 27

TACAN VOK Chan 41	APCH CRS 277°	Rwy ldg 9000 TDZE 905 Arpt Elev 912

JAL-714 [USAF]

VOLK FIELD (KVOK)

* When ALS inop, increase CAT C RVR to 60 and vis to 1¼ miles, CAT DE vis to 1½ miles.

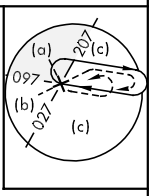
** Circling not authorized South of Rwy 9-27.

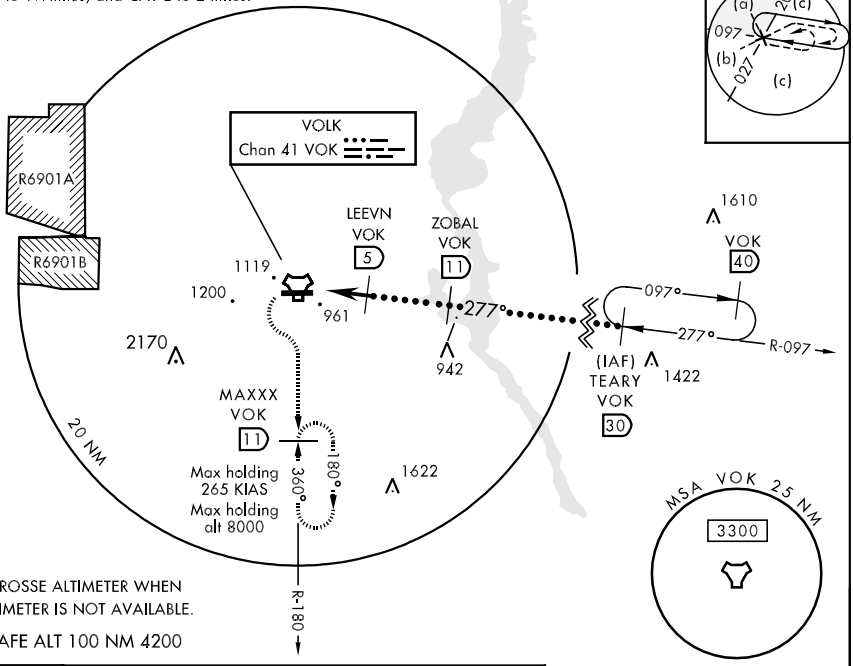
ALSF-1

MISSED APPROACH: Climbing left turn to 3000 intercept VOK TACAN R-180 to MAXXX and hold.

ATIS	VOLK APP CON		VOLK TOWER *		GND CON		CHICAGO CENTER	
120.475	135.25	290.8	127.5 L	(CTAF) 239.25 L	121.9	275.8	133.3	257.92

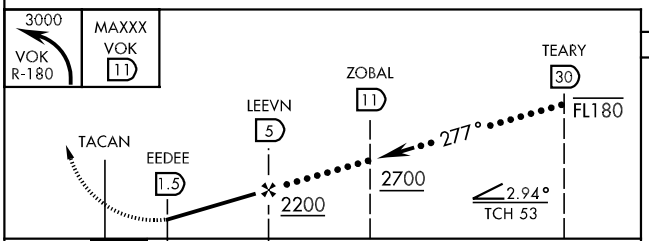
*** When ALS inop, increase CAT C vis to 1½ miles, CAT D to 1¾ miles, and CAT E to 2 miles.



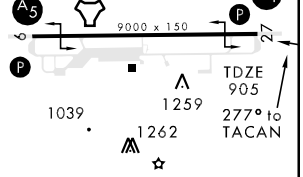


USE LA CROSSE ALTIMETER WHEN LOCAL ALTIMETER IS NOT AVAILABLE.

EMERG SAFE ALT 100 NM 4200



ELEV 912



CATEGORY	C	D	E
S-27 *	1360/40 455 (500-¾)	1360/50 455 (500-1)	
CIRCLING **	1500-1½ 588 (600-1½)	1500-2 588 (600-2)	1580-2¼ 668 (700-2¼)
LA CROSSE ALTIMETER SETTING MINIMUMS			
S-27 ***	1500/50 595 (600-1)	1500/60 595 (600-1¼)	1500-1½ 595 (600-1½)
CIRCLING **	1640-2 728 (800-2)	1640-2¼ 728 (800-2¼)	1720-2¾ 808 (900-2¾)

HIRL Rwy 9-27 L

ILS or LOC/DME RWY 27

LOC I-VOK	APCH CRS	Rwy ldg / TDZE / Arpt Elev
108.5	269°	9000 / 905 / 912

AL-714 [USAF]

VOLK FIELD (KVOK)

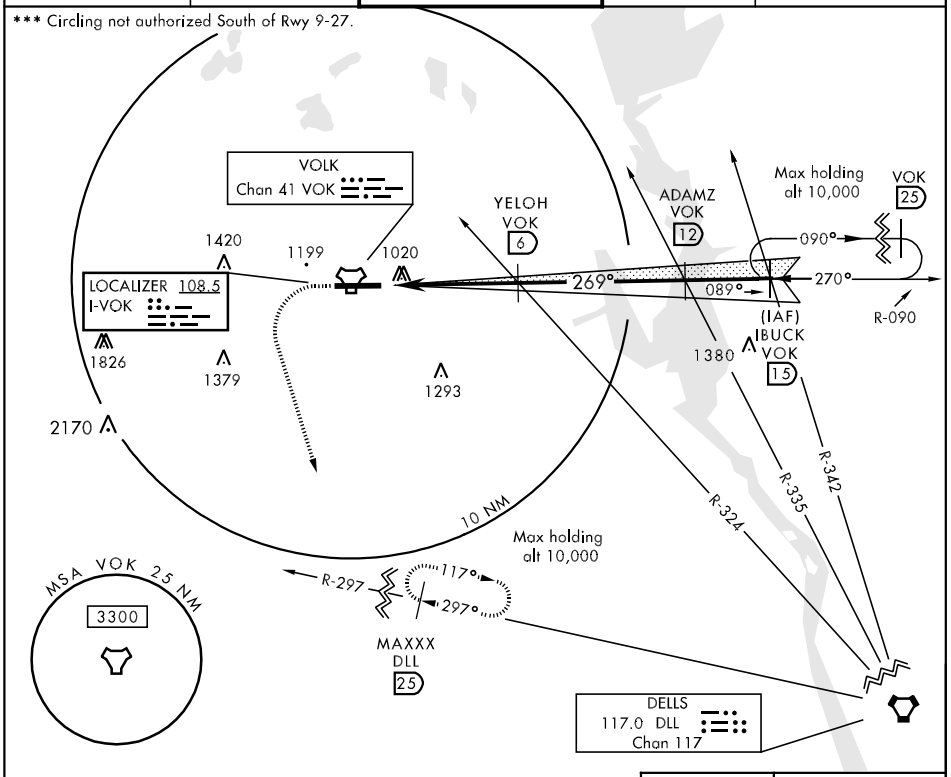
* When ALS inop, increase CAT ABCDE RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT CD RVR to 60 and vis to 1¼ miles, and CAT E vis to 1½ miles.

ALSF-1

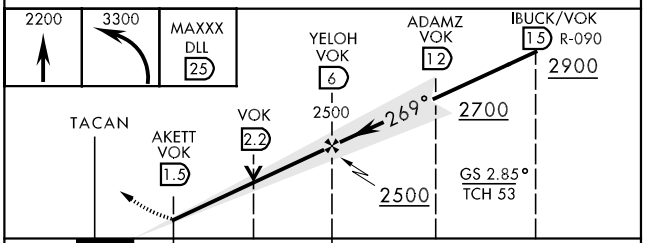
MISSED APPROACH: Climb to 2200, then climbing left turn to 3300 to intercept the DLL R-297 to MAXXX and hold.

ATIS	VOLK APP CON		VOLK TOWER *		GND CON		CHICAGO CENTER	
120.475	135.25	290.8	127.5 L	(CTAF) 239.25 L	121.9	275.8	133.3	257.92

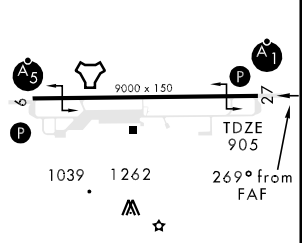
*** Circling not authorized South of Rwy 9-27.



EMERG SAFE ALT 100 NM 4200



ELEV 912



HIRL Rwy 9-27 L

CATEGORY	A	B	C	D	E
S-ILS 27 *	1105/24		200	(200-½)	
S-LOC 27 **	1320/24 415 (500-½)		1320/40 415 (500-¾)		1320/50 415 (500-1)
CIRCLING ***	1400-1 488 (500-1)	1500-1 588 (600-1)	1500-1½ 588 (600-1½)	1500-2 588 (600-2)	1580-2¼ 668 (700-2¼)

FAF to MAP 4.5 NM

Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

RNAV (GPS) RWY 09

APCH CRS	Rwy ldg	9000
089°	TDZE	912
	Arpt Elev	912

AL-714 [USAF]

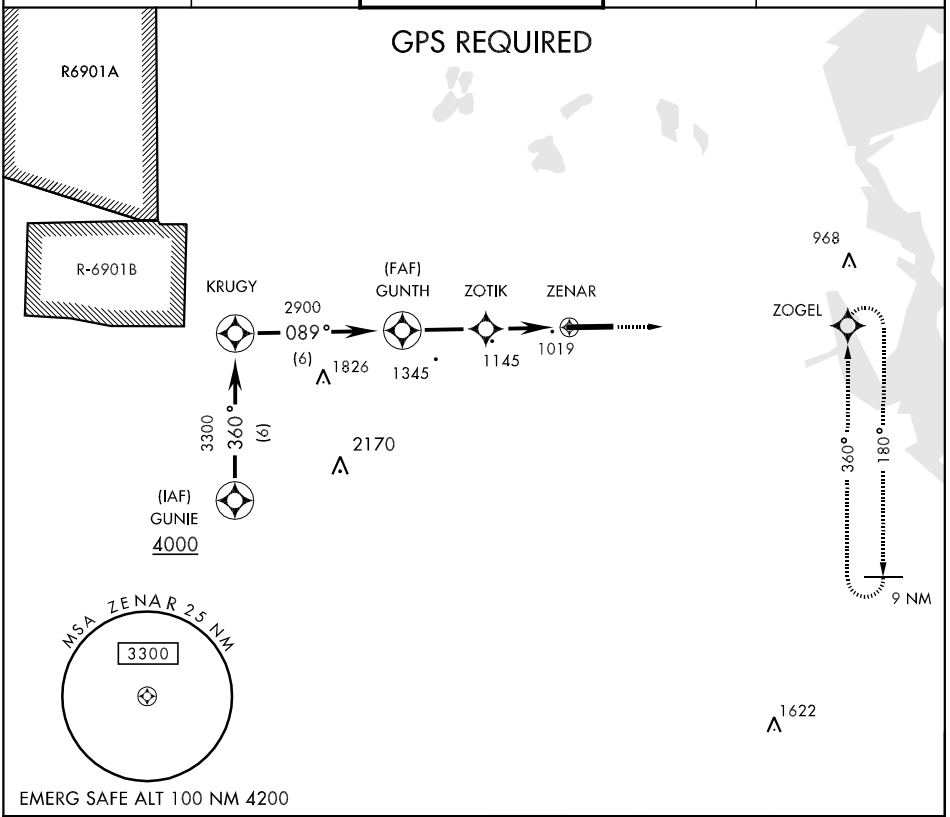
VOLK FIELD (KVOK)

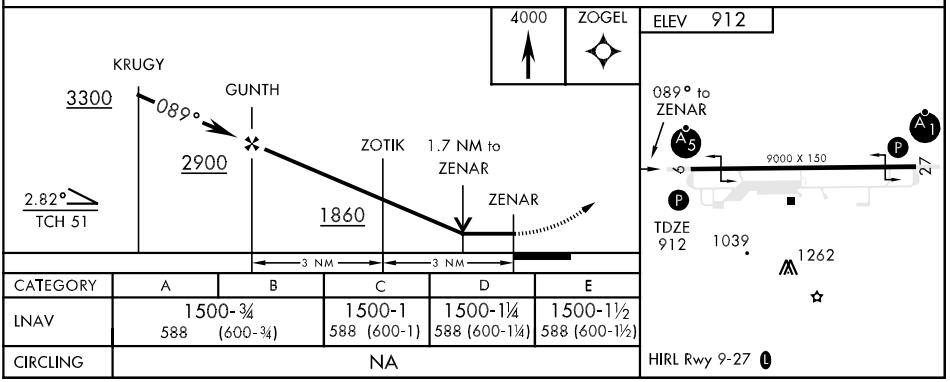
Procedure not authorized when R-6901B active.
DME/DME RNP-0.3 NA.
RNAV-1.

MALSR

MISSED APPROACH: Climb to 4000 direct ZOGEL and hold, continue climb-in-hold to 4000.

ATIS	VOLK APP CON	VOLK TOWER ★	GND CON	CHICAGO CENTER
120.475	135.25 290.8	127.5 (CTAF) 239.25	121.9 275.8	133.3 257.92





CATEGORY	A	B	C	D	E
LNAV	1500-¾ 588 (600-¾)		1500-1 588 (600-1)	1500-1¼ 588 (600-1¼)	1500-1½ 588 (600-1½)
CIRCLING	NA				

TACAN RWY 9

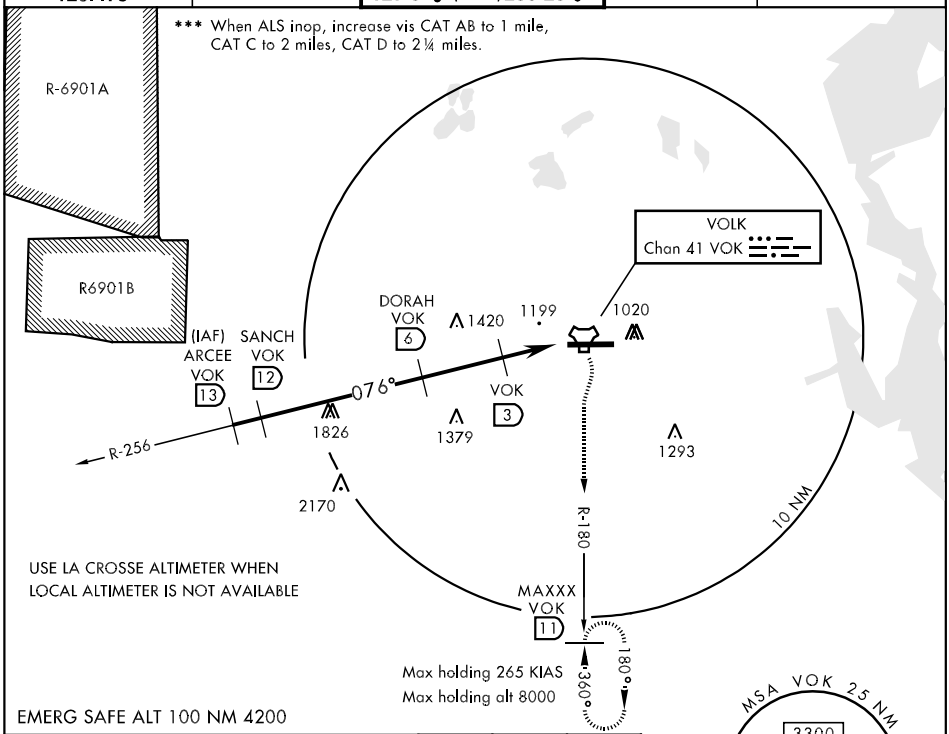
TACAN VOK Chan 41	APCH CRS 076°	Rwy ldg 9000 TDZE 912 Arpt Elev 912	AL-714 [USAF]	VOLK FIELD (KVOK)

T * When ALS inop, increase vis CAT AB to 1 mile, CAT C to 1½ mile, CAT D to 1¾ miles, CAT E to 2 miles.
** Circling not authorized South of Rwy 9-27.

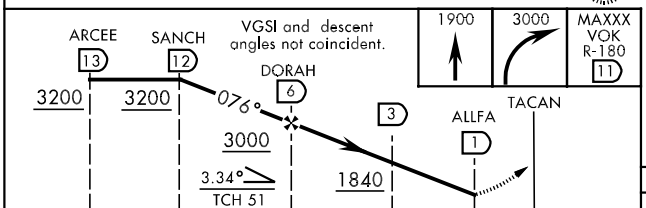
MALSR A5

MISSED APPROACH: Climb to 1900 then climbing right turn to 3000 intercept VOK R-180 to MAXXX and hold.

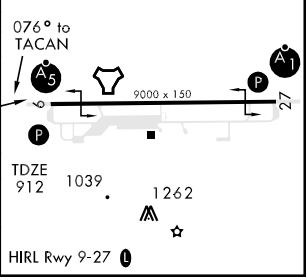
ATIS	VOLK APP CON	VOLK TOWER ★	GND CON	CHICAGO CENTER
120.475	135.25 290.8	127.5 L (CTAF) 239.25 L	121.9 275.8	133.3 257.92



EMERG SAFE ALT 100 NM 4200



ELEV 912



CATEGORY	A	B	C	D	E
S-9 *	1500-¾ 588 (600-¾)		1500-1 588 (600-1)	1500-1¼ 588 (600-1¼)	1500-1½ 588 (600-1½)
CIRCLING **	1500-1 588 (600-1)		1500-1½ 588 (600-1½)	1500-2 588 (600-2)	1580-2¼ 668 (700-2¼)
LA CROSSE ALTIMETER SETTING MINIMUMS					
S-9 ***	1640-¾ 728 (800-¾)		1640-1½ 728 (800-1½)	1640-1¾ 728 (800-1¾)	1640-2½ 728(800-2½)
CIRCLING **	1640-1 728 (800-1)		1640-2 728 (800-2)	1640-2¼ 728 (800-2¼)	1720-2¾ 808(900-2¾)

TACAN Y RWY 27

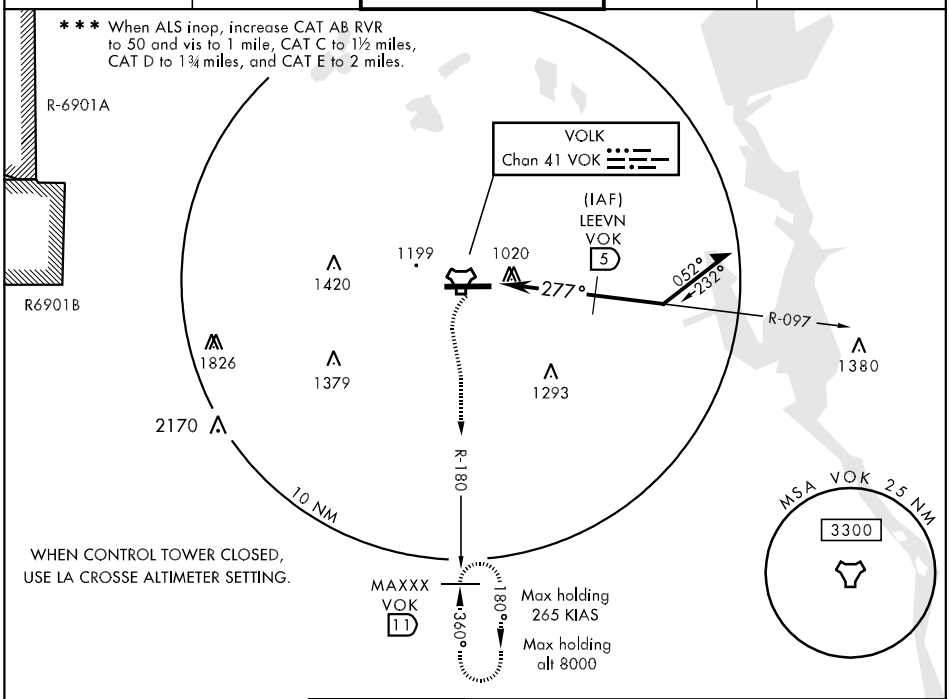
TACAN VOK Chan 41	APCH CRS 277°	Rwy ldg 9000 TDZE 905 Arpt Elev 912	AL-714 [USAF]	VOLK FIELD (KVOK)

T * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, and CAT DE to 1½ miles.
** Circling not authorized South of Rwy 9-27.

ALSF-1

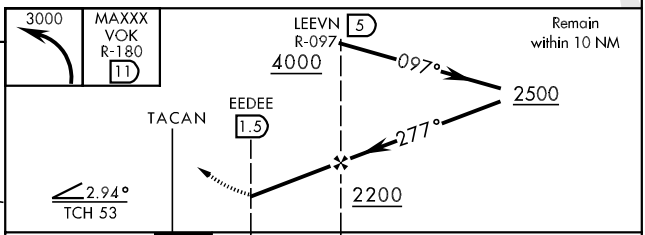
MISSED APPROACH: Climbing left turn to 3000, intercept VOK TACAN R-180 to MAXXX and hold.

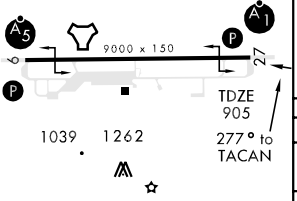
ATIS	VOLK APP CON	VOLK TOWER ★	GND CON	CHICAGO CENTER
120.475	135.25 290.8	127.5 L (CTAF) 239.25 L	121.9 275.8	133.3 257.92



EMERG SAFE ALT 100 NM 4200

ELEV 912





CATEGORY	A	B	C	D	E
S-27 *	1360/24 455 (500-½)		1360/40 455 (500-¾)	1360/50 455 (500-1)	
CIRCLING **	1400-1 488 (500-1)	1500-1 588 (600-1)	1500-1½ 588 (600-1½)	1500-2 588 (600-2)	1580-2¼ 668 (700-2¼)
LA CROSSE ALTIMETER SETTING MINIMUMS					
S-27 ***	1500/24 595 (600-½)		1500/50 595 (600-1)	1500/60 595 (600-1¼)	1500-1½ 595(600-1½)
CIRCLING **	1540-1 628 (700-1)	1640-1 728 (800-1)	1640-2 728 (800-2)	1640-2¼ 728(800-2¼)	1720-2¾ 808(900-2¾)

HIRL Rwy 9-27 L

TACAN Z RWY 27

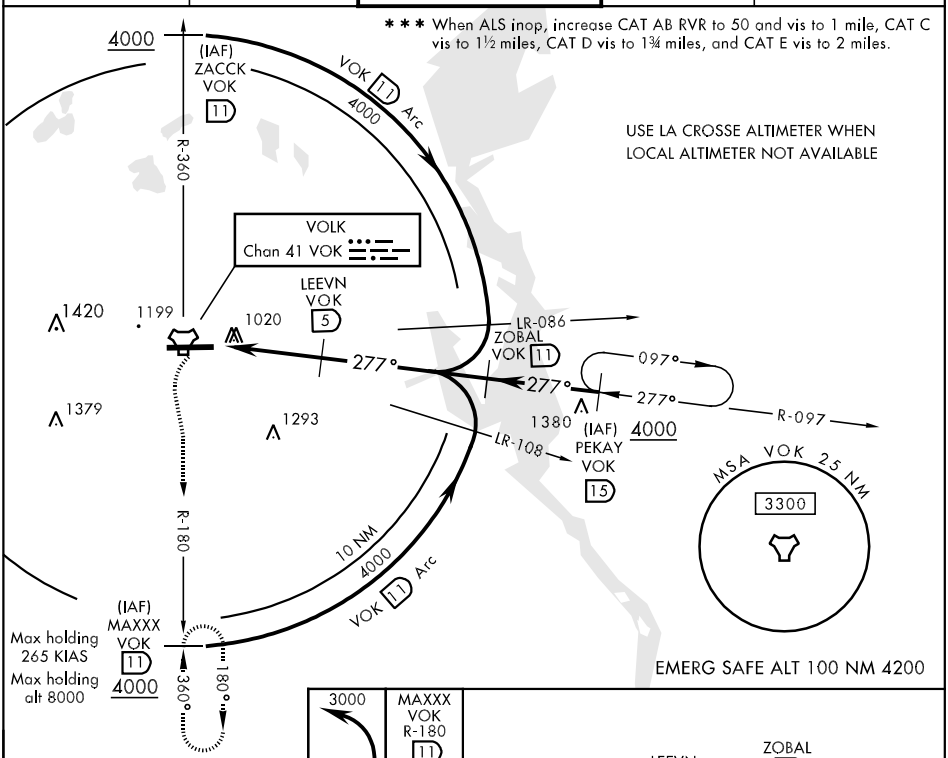
TACAN VOK Chan 41	APCH CRS 277°	Rwy ldg 9000 TDZE 905 Arpt Elev 912	AL-714 [USAF]	VOLK FIELD (KVOK)

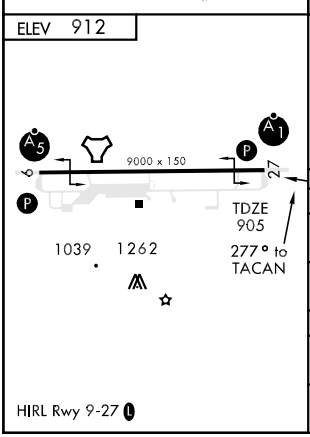
T * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼, CAT DE to 1½ miles.
** Circling not authorized South of Rwy 9-27.

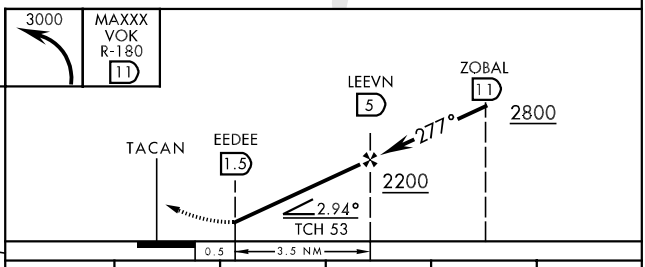
ALSF-1

MISSED APPROACH: Climbing left turn to 3000, intercept VOK TACAN R-180 to MAXXX and hold.

ATIS	VOLK APP CON		VOLK TOWER *		GND CON		CHICAGO CENTER	
120.475	135.25	290.8	127.5 L	(CTAF) 239.25 L	121.9	275.8	133.3	257.92







CATEGORY	A	B	C	D	E
S-27 *	1360/24 455 (500-½)		1360/40 455 (500-¾)	1360-50 455 (500-1)	
CIRCLING **	1400-1 488 (500-1)	1500-1 588 (600-1)	1500-1½ 588 (600-1½)	1500-2 588 (600-2)	1580-2¼ 668 (700-2¼)
LA CROSSE ALTIMETER SETTING MINIMUMS					
S-27 ***	1500/24 595 (600-½)		1500/50 595 (600-1)	1500/60 595 (600-1¼)	1500-1½ 595 (600-1½)
CIRCLING **	1540-1 628 (700-1)	1640-1 728 (800-1)	1640 -2 728 (800-2)	1640-2¼ 728 (800-2¼)	1720-2¾ 808 (900-2¾)

CHETEK, WISCONSIN

APP CRS	Rwy ldg	2800
175°	TDZE	1055
	Apt Elev	1055

AL- 6935 (FAA)

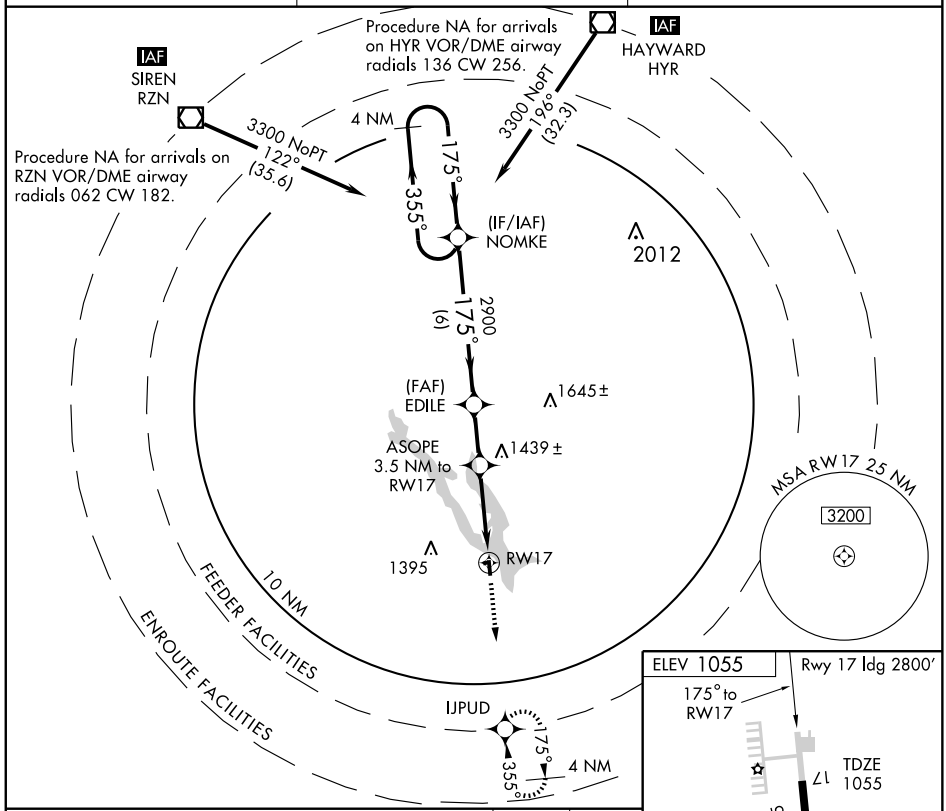
RNAV (GPS) RWY 17
CHETEK MUNI-SOUTHWORTH (Y23)

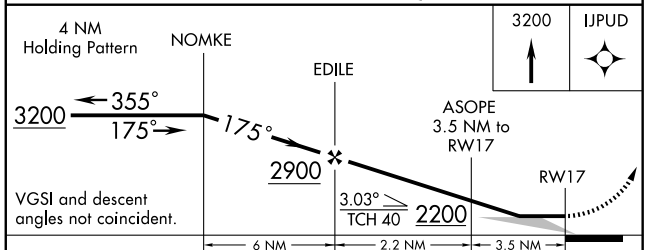
NA

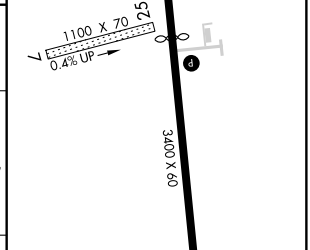
IAF ARM APPROACH MODE PRIOR TO IAF.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
Use Rice Lake altimeter setting.

MISSED APPROACH: Climb to 3200 direct IJPUD WP and hold.

RICE LAKE AWOS-3	MINNEAPOLIS CENTER	CTAF
120.525	125.3 335.6	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1640-1 585 (600-1)		1640-1½ 585 (600-1½)	NA
CIRCLING	1640-1 585 (600-1)		1640-1½ 585 (600-1½)	NA

EC-3. 14 JAN 2010 to 11 FEB 2010

CHETEK, WISCONSIN

APP CRS	Rwy ldg	3400
355°	TDZE	1055
	Apt Elev	1055

AL- 6935 (FAA)

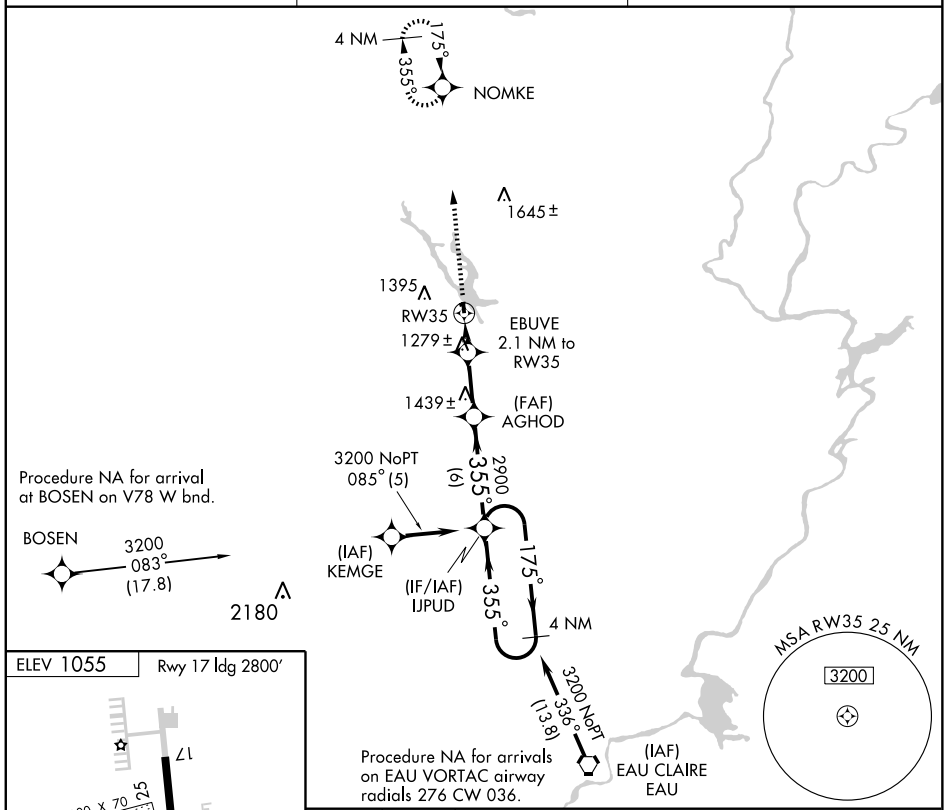
RNAV (GPS) RWY 35
CHETEK MUNI-SOUTHWORTH (Y23)

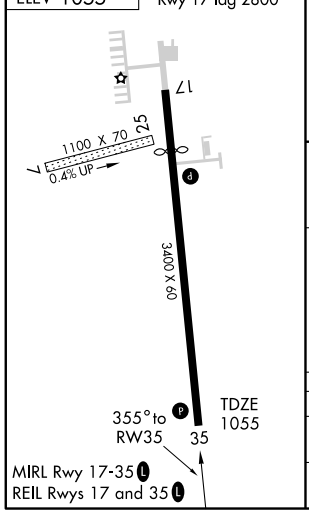
NA

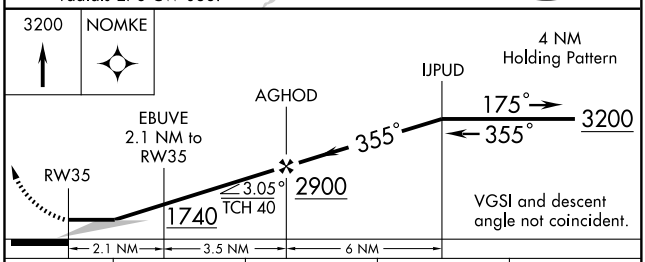
Use Rice Lake altimeter setting.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3200 direct NOMKE WP and hold.

RICE LAKE AWOS-3	MINNEAPOLIS CENTER	CTAF
120.525	125.3 335.6	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1580-1 525 (600-1)		1580-1½ 525 (600-1½)	NA
CIRCLING	1640-1 585 (600-1)		1640-1½ 585 (600-1½)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR/DME RPD 110.0 Chan 37	APP CRS 136°	Rwy ldg N/A TDZE N/A Apt Elev 1056

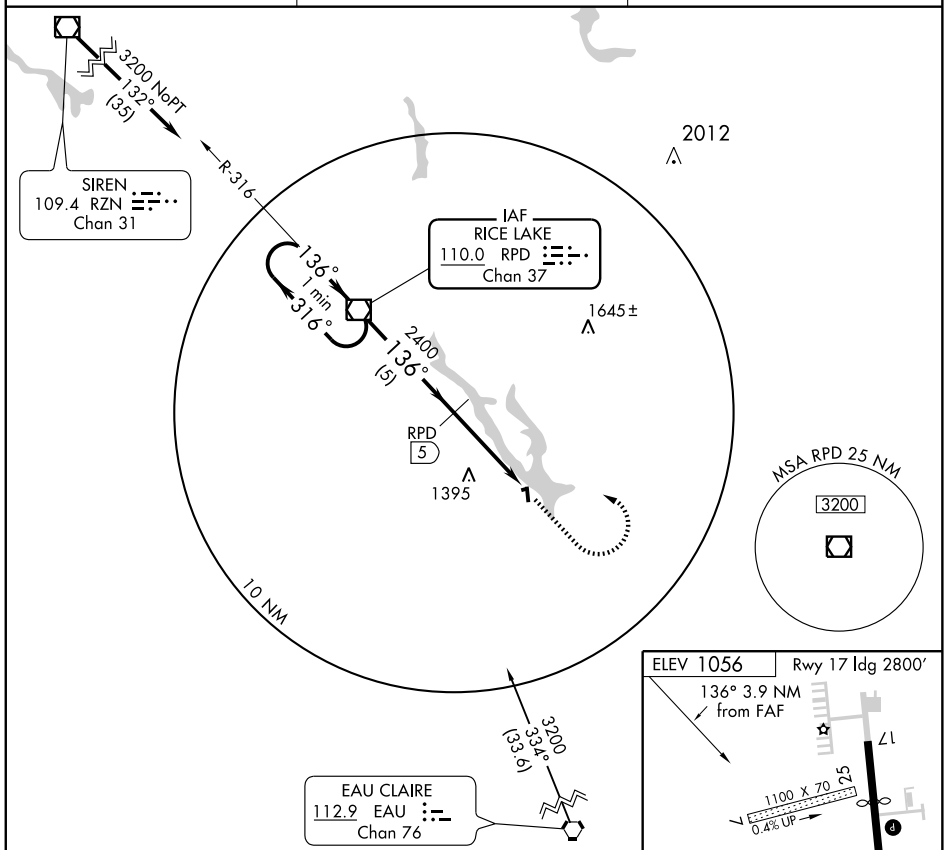
VOR/DME-A

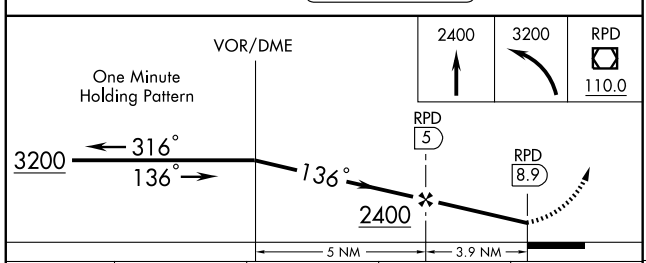
CHETEK MUNI-SOUTHWORTH (Y23)

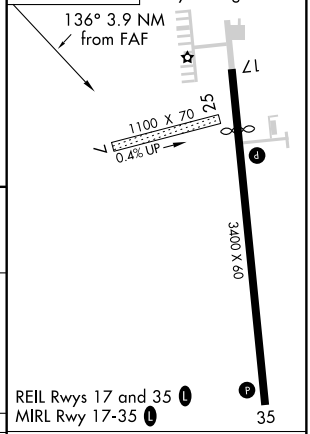
NA Use Rice Lake altimeter setting.

MISSED APPROACH: Climb to 2400 then climbing left turn to 3200 direct RPD VOR/DME and hold.

RICE LAKE AWOS-3	MINNEAPOLIS CENTER	CTAF
120.525	125.3 335.6	122.9 L







CATEGORY	A	B	C	D
CIRCLING	1680-1 622 (700-1)		1680-1¾ 622 (700-1¾)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

CLINTONVILLE, WISCONSIN

AL-5280 (FAA)

APP CRS	Rwy ldg	3300
045°	TDZE	822
	Apt Elev	822

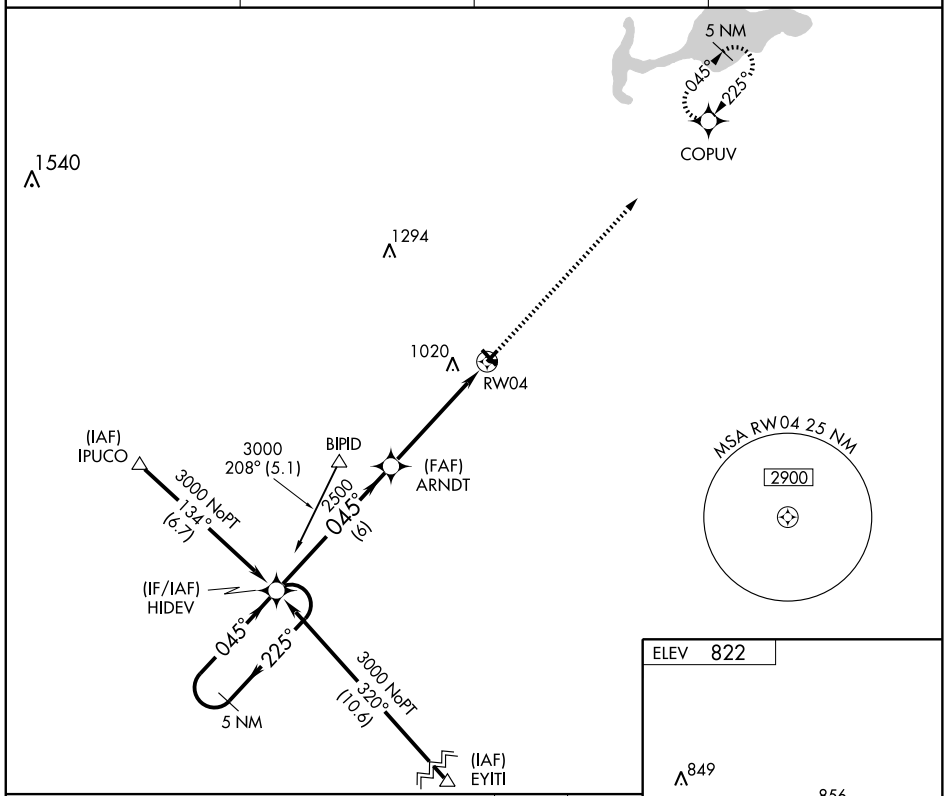
RNAV (GPS) RWY 4

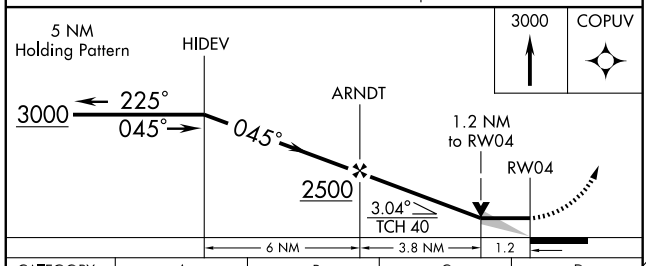
CLINTONVILLE MUNI (CLI)

DME/DME RNP-0.3 NA. Circling to Rwy 4-22 NA for Cat. C. If local altimeter setting not received, use Green Bay altimeter setting and increase all MDAs 80 feet.

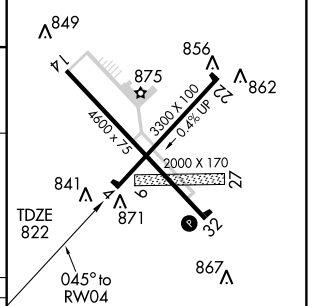
MISSED APPROACH: Climb to 3000 direct COPUV and hold.

AWOS-3	GREEN BAY APP CON ★	GCO	UNICOM
120.675	126.3 338.2	121.725	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1260-1 438 (500-1)		NA	
CIRCLING	1320-1 498 (500-1)		1320-1½ 498 (500-1½)	NA



REIL Rwy 32 L

MIRL Rwys 4-22 and 14-32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

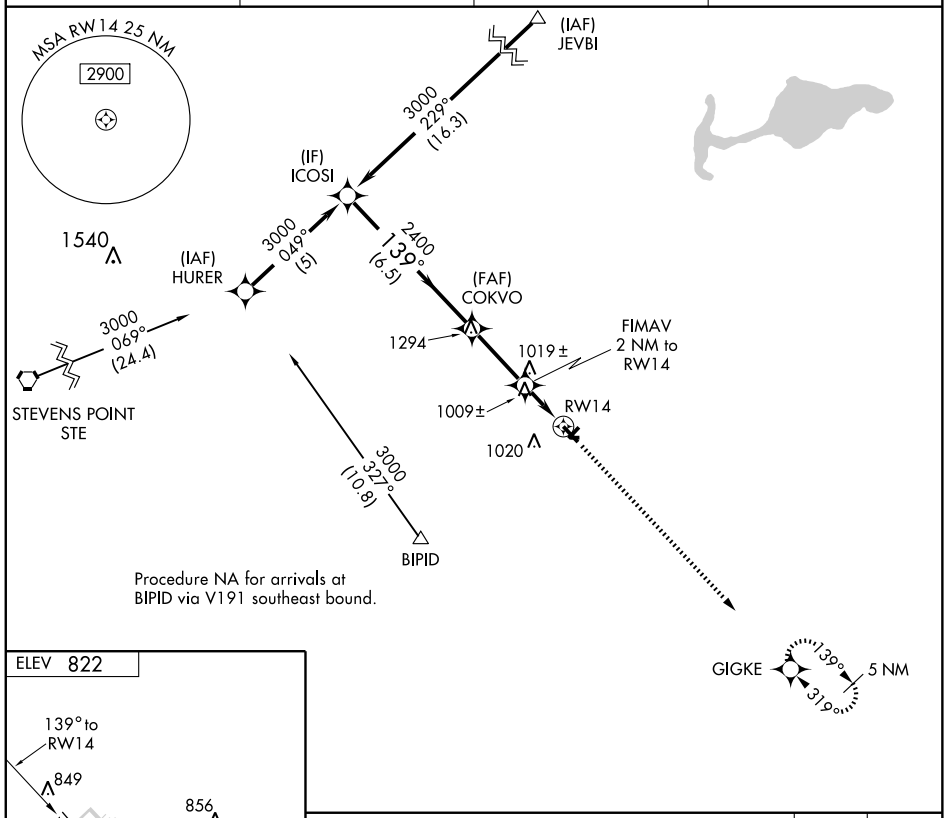
APP CRS	Rwy ldg	4600
139°	TDZE	821
	Apt Elev	822

RNAV (GPS) RWY 14
CLINTONVILLE MUNI (CLI)

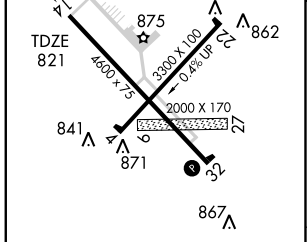
DME/DME RNP-0.3 NA. Circling to Rwy 4-22 NA for Cat. C. Visibility reduction by helicopters NA. If local altimeter setting not received, use Green Bay altimeter setting and increase all MDAs 80 feet.

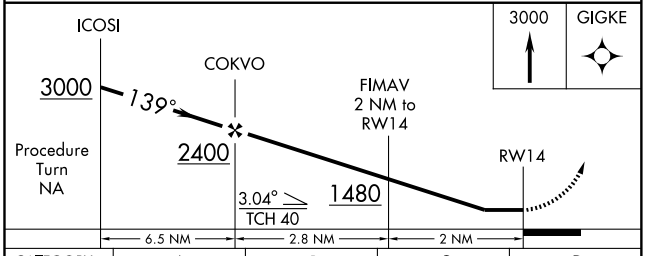
MISSED APPROACH: Climb to 3000 direct GIGKE and hold.

AWOS-3	GREEN BAY APP CON★	GCO	UNICOM
120.675	126.3 338.2	121.725	122.8 (CTAF) L



Procedure NA for arrivals at BIPID via V191 southeast bound.





CATEGORY	A	B	C	D
LNAV MDA	1260-1 439 (500-1)		1260-1¼ 439 (500-1¼)	NA
CIRCLING	1320-1 498 (500-1)		1320-1½ 498 (500-1½)	NA

REIL Rwy 32 L
MIRL Rwys 4-22 and 14-32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

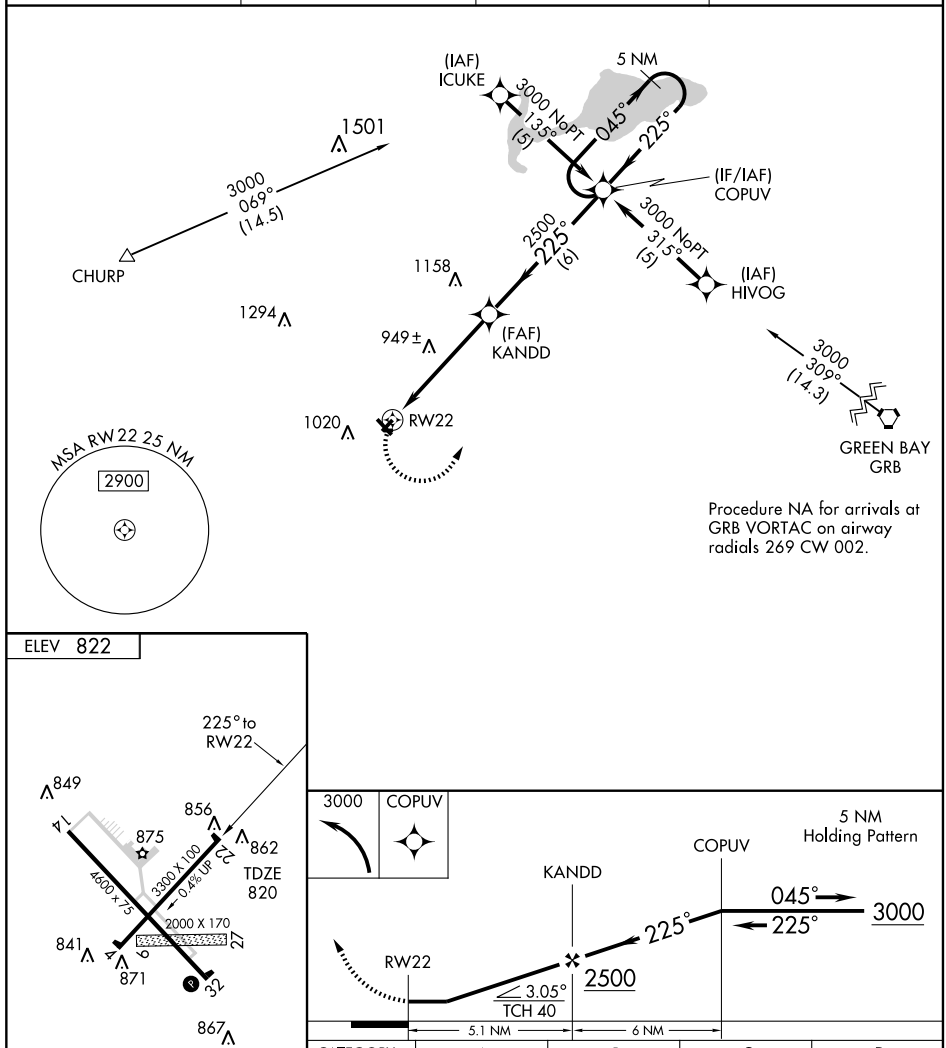
APP CRS	Rwy ldg	3300
225°	TDZE	820
	Apt Elev	822

RNAV (GPS) RWY 22
CLINTONVILLE MUNI (CLI)

DME/DME RNP-0.3 NA. Circling to Rwy 4-22 NA for Cat. C. Visibility reduction by helicopters NA.
If local altimeter setting not received, use Green Bay altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climbing left turn to 3000 direct COPUV and hold.

AWOS-3	GREEN BAY APP CON★	GCO	UNICOM
120.675	126.3 338.2	121.725	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1220-1 400 (400-1)		NA	
CIRCLING	1320-1 498 (500-1)		1320-1½ 498 (500-1½)	NA

REIL Rwy 32 L
MIRL Rwys 4-22 and 14-32 L

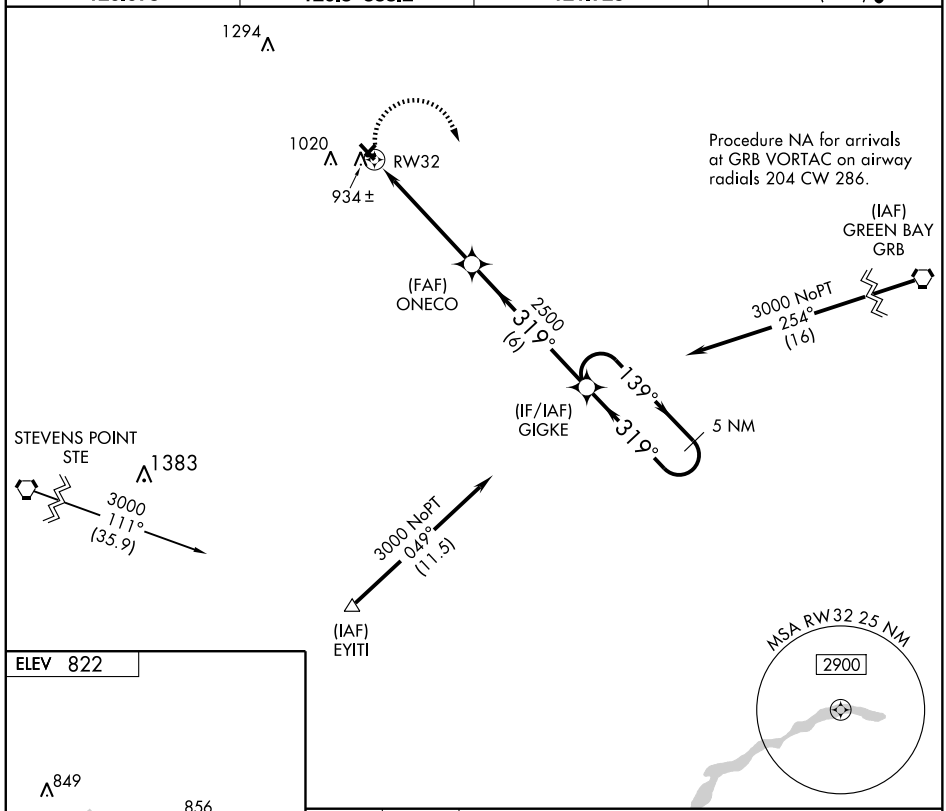
APP CRS	Rwy ldg	4600
319°	TDZE	821
	Apt Elev	822

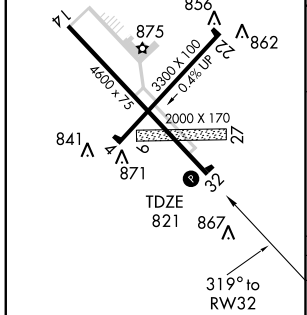
RNAV (GPS) RWY 32
CLINTONVILLE MUNI (CLI)

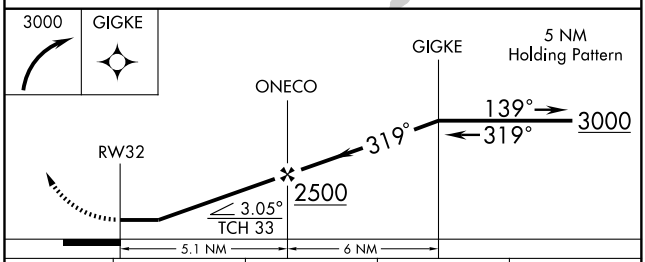
Circling to Rwy 4-22 NA for Cat. C. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. If local altimeter setting not received, use Green Bay altimeter setting and increase all MDAs 80 feet.

MISSED APPROACH: Climbing right turn to 3000 direct GIGKE and hold.

AWOS-3	GREEN BAY APP CON★	GCO	UNICOM
120.675	126.3 338.2	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1240-1 419 (500-1)		1240-1¼ 419 (500-1¼)	NA
CIRCLING	1320-1 498 (500-1)		1320-1½ 498 (500-1½)	NA

REIL Rwy 32 L
MIRL Rwys 4-22 and 14-32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

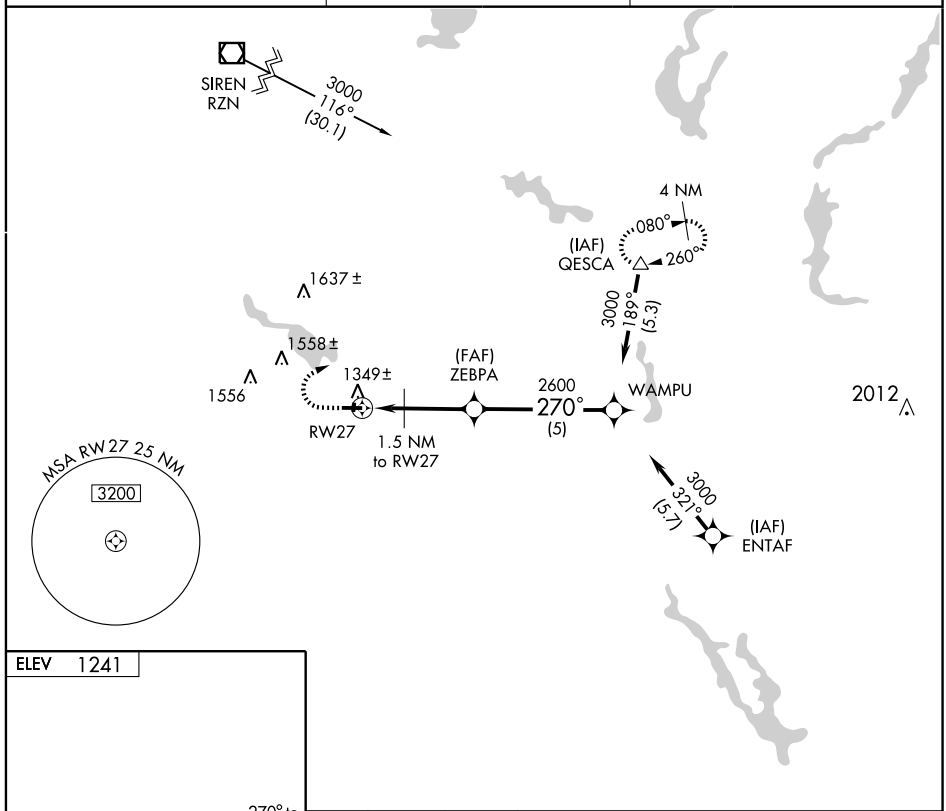
APP CRS	Rwy ldg	4050
270°	TDZE	1238
	Apt Elev	1241

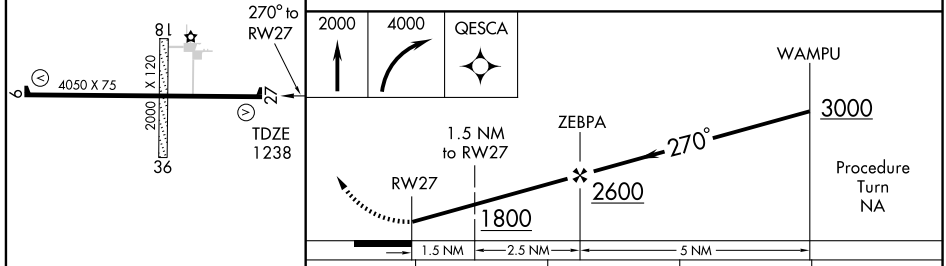
GPS RWY 27
CUMBERLAND MUNI (UBE)

NA Use Rice Lake altimeter setting.

MISSED APPROACH: Climb to 2000, then climbing right turn to 4000 direct QESCA WP and hold.

GCO	GREEN BAY RADIO	UNICOM
121.725	122.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-27	1660-1 422 (500-1)		1660-1¼ 422 (500-1¼)	NA
CIRCLING	1780-1 539 (600-1)	1800-1 559 (600-1)	1840-1½ 599 (600-1½)	NA

REIL Rwy 27 L
MIRL Rwy 9-27 L

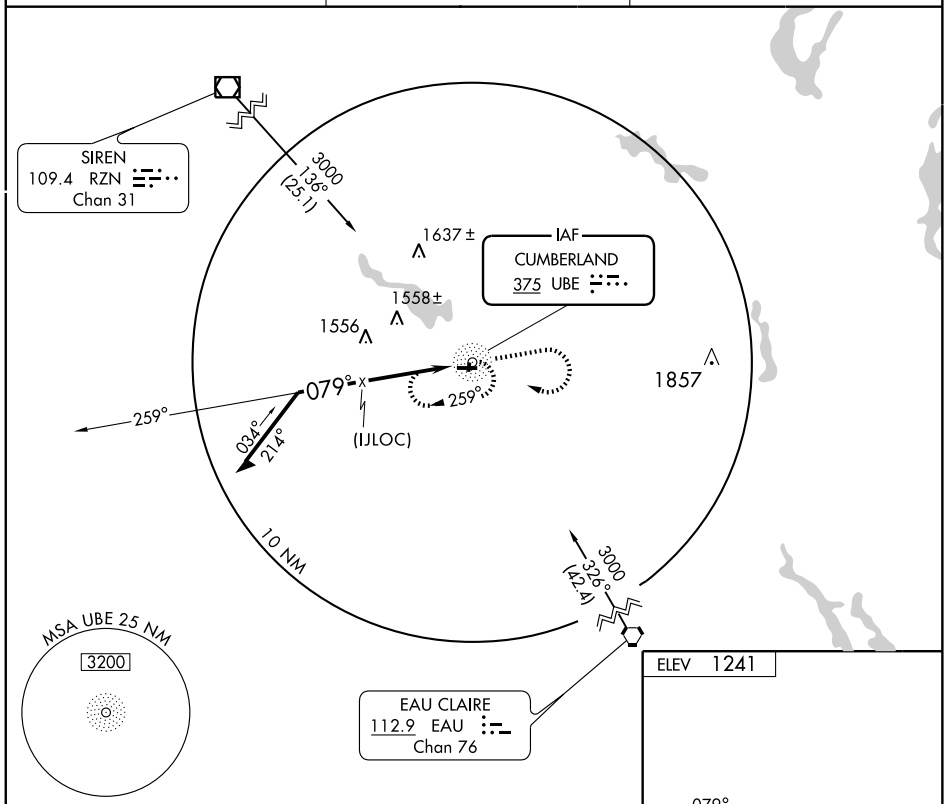
NDB UBE 375	APP CRS 079°	Rwy ldg 4050 TDZE 1241 Apt Elev 1241

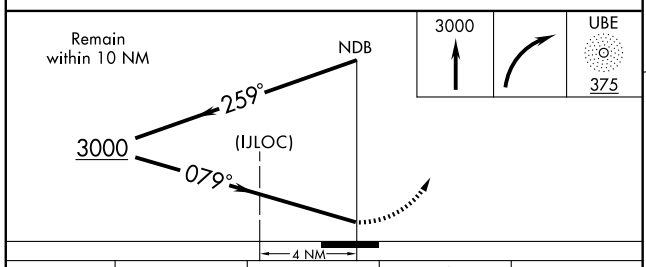
NDB or GPS RWY 9
CUMBERLAND MUNI (UBE)

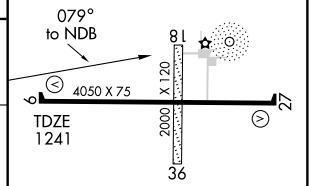
NA Use Rice Lake altimeter setting.

MISSED APPROACH: Climb to 3000, then right turn direct UBE NDB and hold.

GCO	GREEN BAY RADIO	UNICOM
121.725	122.3	122.8 (CTAF) L







REIL Rwy 27 L
MIRL Rwy 9-27 L

CATEGORY	A	B	C	D
S-9	2000-1 759 (800-1)	2000-1¼ 759 (800-1¼)	2000-2¼ 759 (800-2¼)	NA
CIRCLING	2000-1 759 (800-1)	2000-1¼ 759 (800-1¼)	2000-2¼ 759 (800-2¼)	NA

Knots	60	90	120	150	180
Min:Sec					

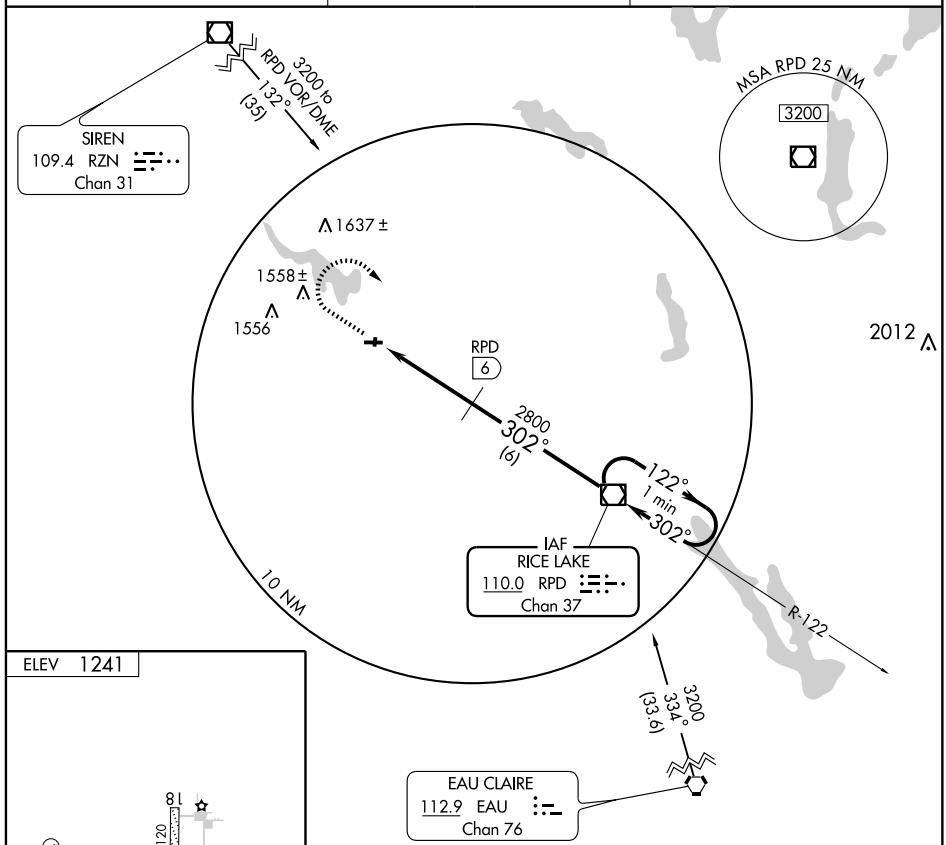
VOR/DME RPD	APP CRS	Rwy Idg	N/A
110.0	302°	TDZE	N/A
Chan 37		Apt Elev	1241

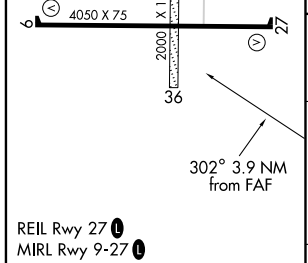
VOR/DME-A
CUMBERLAND MUNI (UBE)

NA Use Rice Lake altimeter setting.

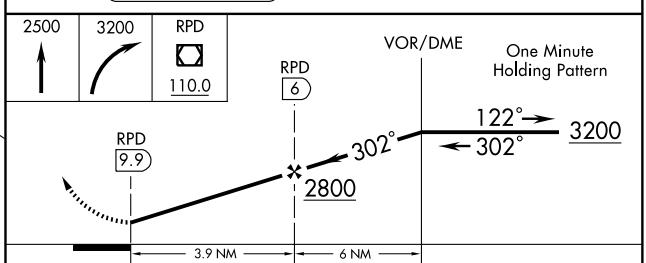
MISSED APPROACH: Climb to 2500 then climbing right turn to 3200 direct RPD VOR/DME and hold.

GCO	GREEN BAY RADIO	UNICOM
121.725	122.3	122.8 (CTAF) L





REIL Rwy 27 L
MIRL Rwy 9-27 L



Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	1780-1 539 (600-1)	1800-1 559 (600-1)	1840-1½ 599 (600-1½)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4103
187°	TDZE	978
	Apt Elev	981

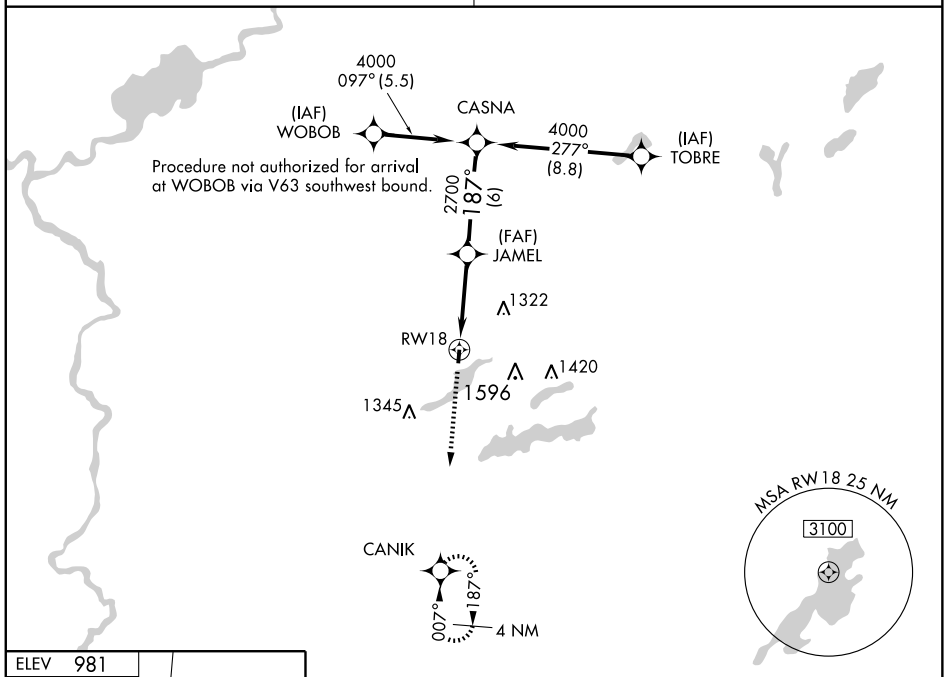
RNAV (GPS) RWY 18
DELAVAN/LAKE LAWN (C59)

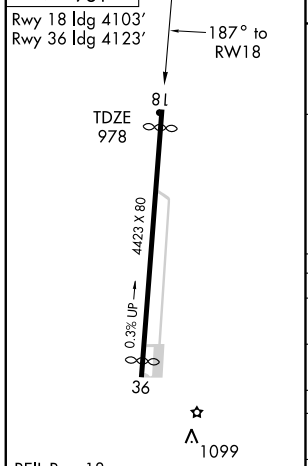
NA

GPS or RNP-0.3 Required, DME/DME RNP-0.3 NA. Obtain local altimeter setting on CTAF; when not received, use Rockford altimeter setting.

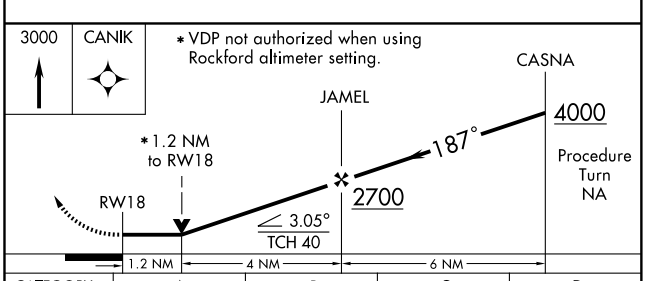
MISSED APPROACH: Climb to 3000 direct CANIK WP and hold.

ROCKFORD APP CON	CTAF
121.0 327.0	122.9





REIL Rwy 18
MIRL Rwy 18-36



CATEGORY	A	B	C	D
LNAV MDA	1420-1 442 (500-1)		1420-1¼ 442 (500-1¼)	1420-1½ 442 (500-1½)
CIRCLING	1420-1 439 (500-1)	1440-1 459 (500-1)	1440-1½ 459 (500-1½)	1540-2 559 (600-2)
ROCKFORD ALTIMETER SETTING MINIMUMS				
LNAV MDA	1540-1 562 (600-1)		1540-1½ 562 (600-1½)	1540-1¾ 562 (600-1¾)
CIRCLING	1540-1 559 (600-1)		1540-1½ 559 (600-1½)	1580-2 599 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4123
007°	TDZE	981
	Apt Elev	981

RNAV (GPS) RWY 36

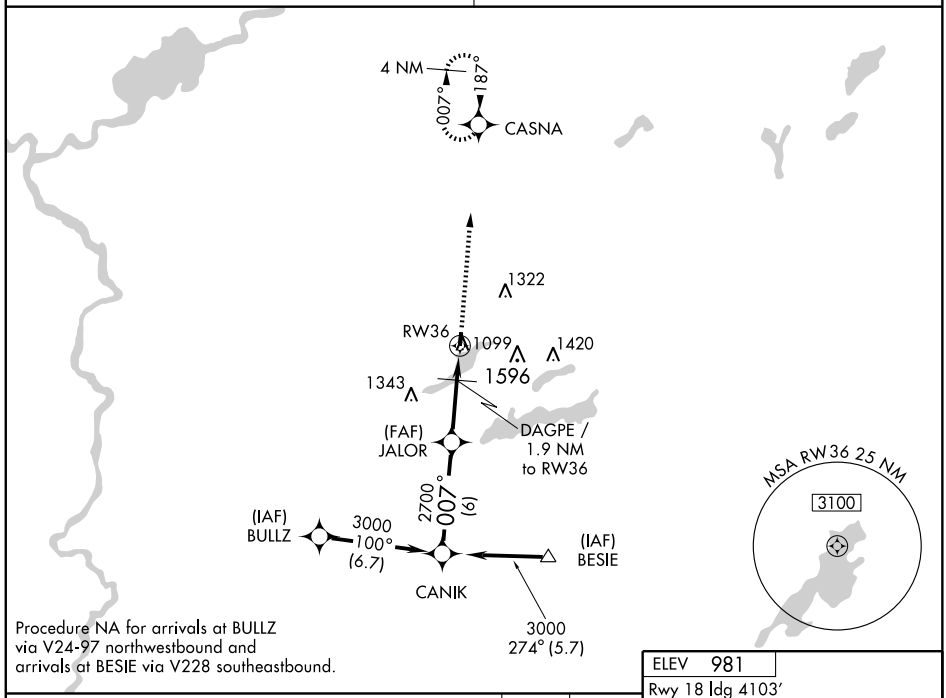
DELAVAN/LAKE LAWN (C59)

NA

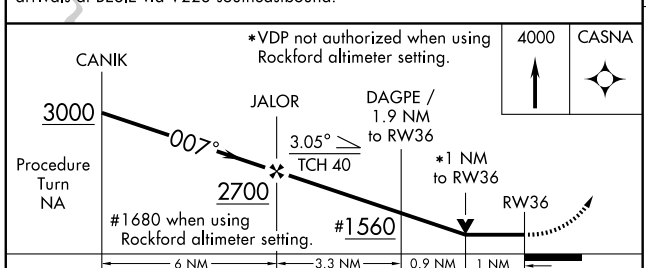
GPS or RNP-0.3 Required, DME/DME RNP-0.3 NA. Obtain local altimeter setting on CTAF; when not received, use Rockford altimeter setting.

MISSED APPROACH: Climb to 4000 direct CASNA WP and hold.

ROCKFORD APP CON	CTAF
121.0 327.0	122.9



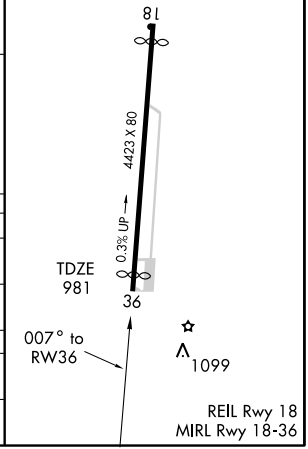
Procedure NA for arrivals at BULLZ via V24-97 northwestbound and arrivals at BESIE via V228 southeastbound.



CATEGORY	A	B	C	D
LNAV MDA	1340-1 359 (400-1)			1340-1¼ 359 (400-1¼)
CIRCLING	1400-1 419 (500-1)	1440-1 459 (500-1)	1440-1½ 459 (500-1½)	1540-2 559 (600-2)
ROCKFORD ALTIMETER SETTING MINIMUMS				
LNAV MDA	1460-1 479 (500-1)		1460-1¼ 479 (500-1¼)	1460-1½ 479 (500-1½)
CIRCLING	1520-1 539 (600-1)		1520-1½ 539 (600-1½)	1580-2 599 (600-2)

ELEV 981

Rwy 18 ldg 4103′
Rwy 36 ldg 4123′



EC-3, 14 JAN 2010 to 11 FEB 2010

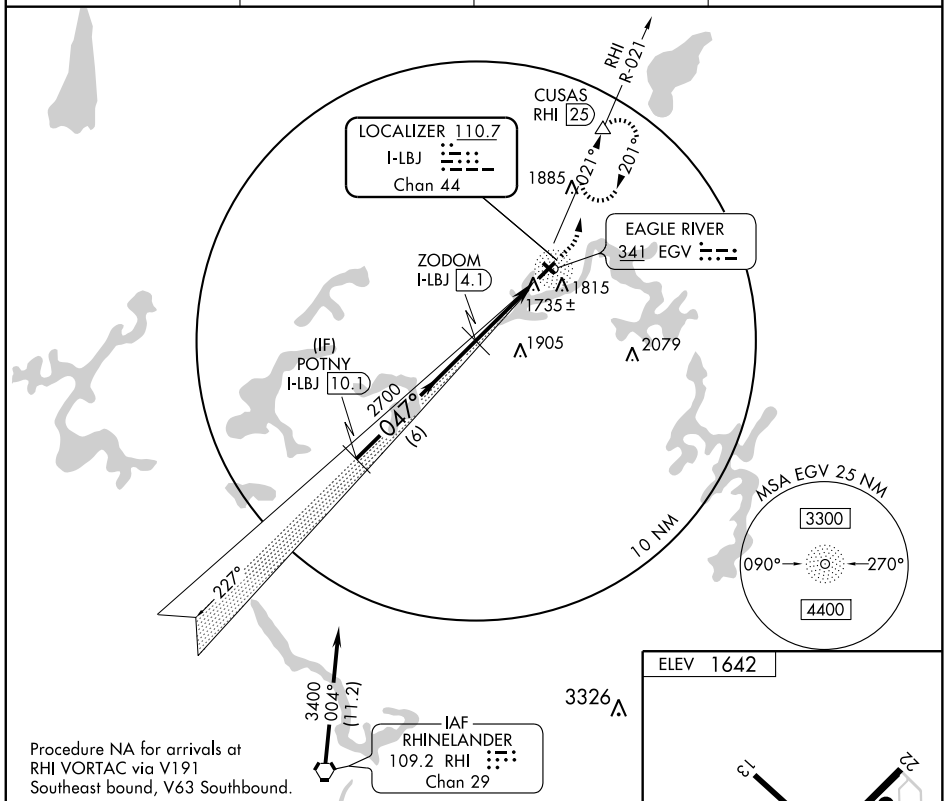
LOC/DME I-LBJ 110.7 Chan 44	APP CRS 047°	Rwy ldg 5000 TDZE 1642 Apt Elev 1642

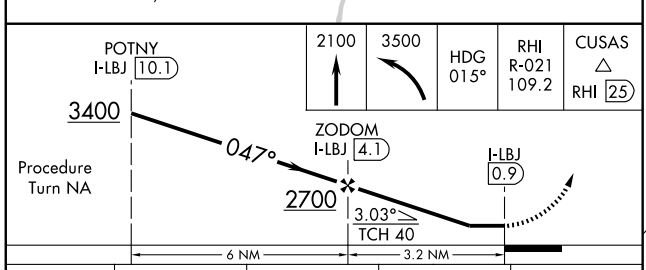
LOC/DME RWY 4
EAGLE RIVER UNION (EGV)

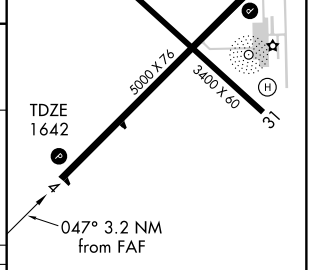
If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all MDAs 60 feet. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2100 then climbing left turn to 3500 via heading 015° and RHI R-021 to CUSAS/RHI 25 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.325	133.65 281.5	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-4	2000-1 358 (400-1)			2000-1¼ 358 (400-1¼)
CIRCLING	2120-1 478 (500-1)		2120-1½ 478 (500-1½)	2200-2 558 (600-2)

REIL Rwys 4 and 22 L
MIRL Rwys 4-22 and 3-31 L

EC-3, 14 JAN 2010 to 11 FEB 2010

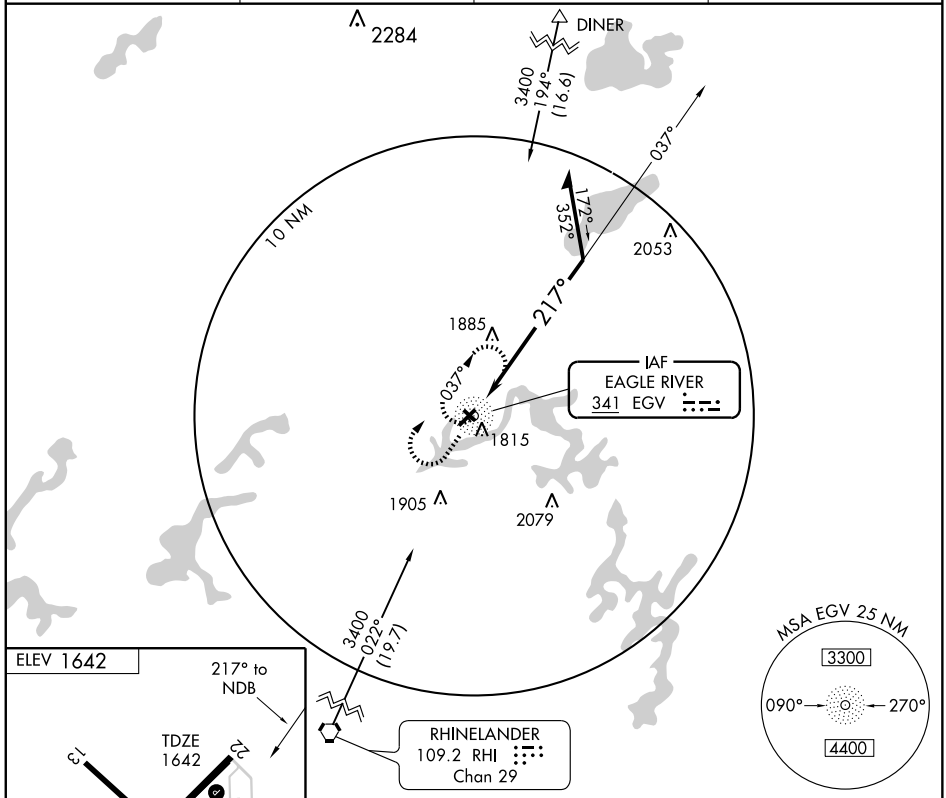
NDB EGV	APP CRS	Rwy ldg	5000
341	217°	TDZE	1642
		Apt Elev	1642

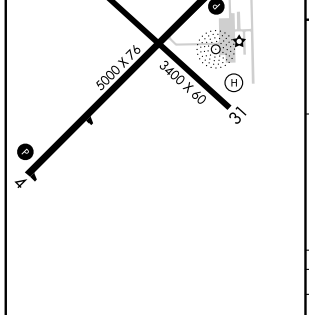
NDB RWY 22
EAGLE RIVER UNION (EGV)

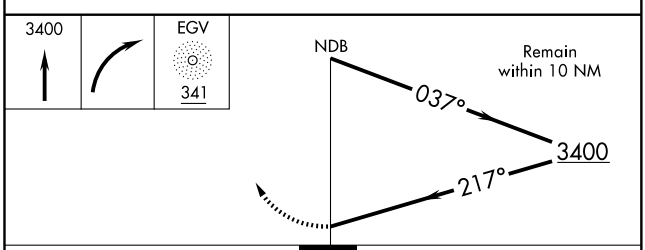
If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all MDAs 60 feet.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3400 then right turn direct EGV NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.325	133.65 281.5	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-22	2420-1 778 (800-1)	2420-1¼ 778 (800-1¼)	2420-2¼ 778 (800-2¼)	2420-2½ 778 (800-2½)
CIRCLING	2420-1 778 (800-1)	2420-1¼ 778 (800-1¼)	2420-2¼ 778 (800-2¼)	2420-2½ 778 (800-2½)

REIL Rwy 22 L
MIRL Rwys 4-22 and 3-31 L

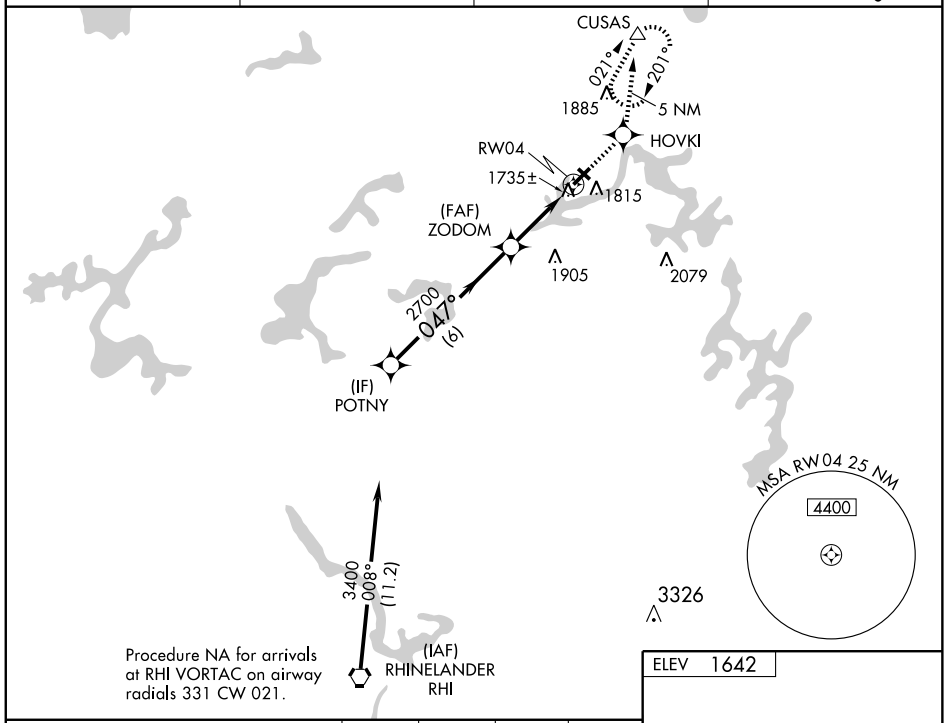
WAAS CH 82002 W04A	APP CRS 047°	Rwy ldg 5000 TDZE 1642 Apt Elev 1642

RNAV (GPS) RWY 4
EAGLE RIVER UNION (EGV)

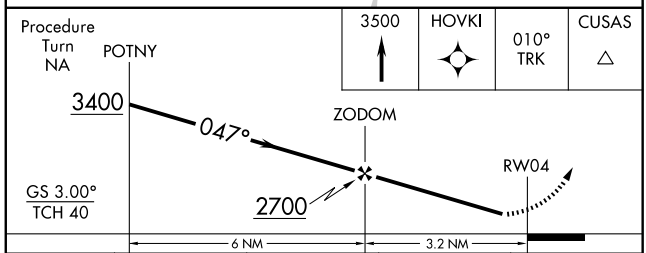
DME/DME RNP-0.3 NA. Baro-VNAV NA when using Minocqua-Woodruff altimeter setting. If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all DAs/MDAs 60 feet. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18° C (0° F) or above 44° C (112° F). Visibility reduction for helicopters NA.

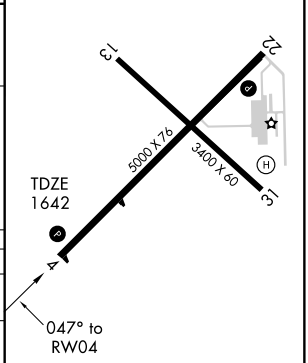
MISSED APPROACH: Climb to 3500 direct HOVKI and via 010° track to CUSAS and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.325	133.65 281.5	121.725	122.8 (CTAF) L



Procedure NA for arrivals at RHI VORTAC on airway radials 331 CW 021.





CATEGORY	A	B	C	D
LPV DA	1970-1¼ 328 (400-1¼)			
LNAV/VNAV DA	2005-1¼ 363 (400-1¼)			
LNAV MDA	2080-1 438 (500-1)		2080-1¼ 438 (500-1¼)	2080-1½ 438 (500-1½)
CIRCLING	2120-1¼ 478 (500-1¼)		2120-1½ 478 (500-1½)	2200-2 558 (600-2)

REIL Rwys 4 and 22 L
MIRL Rwys 4-22 and 3-31 L

EC-3. 14 JAN 2010 to 11 FEB 2010

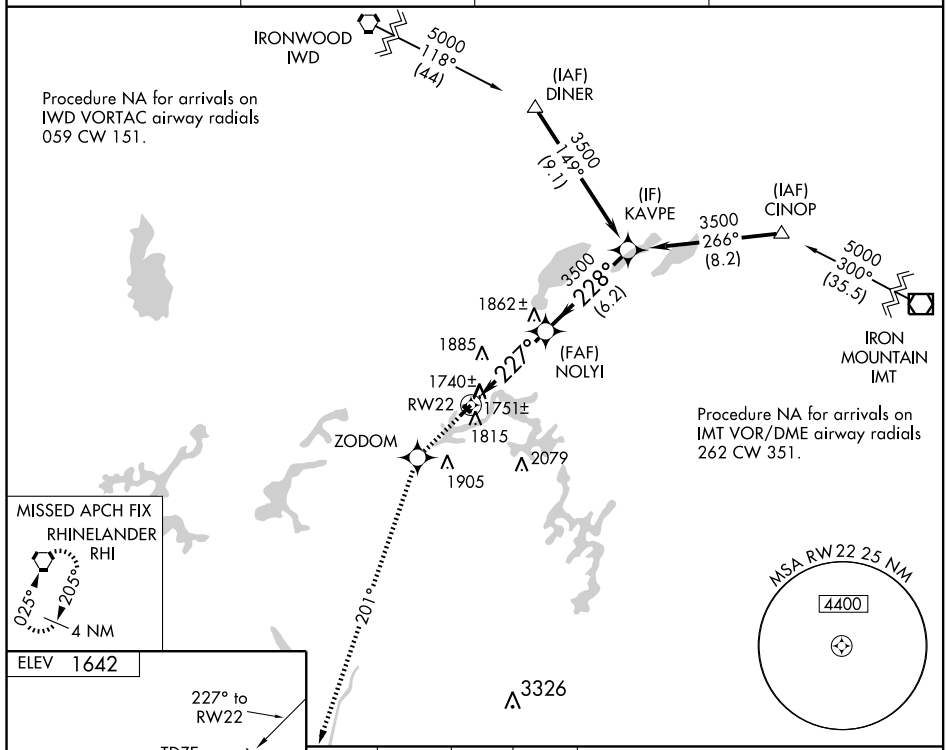
WAAS CH 99304 W22A	APP CRS 227°	Rwy ldg 5000 TDZE 1642 Apt Elev 1642

RNAV (GPS) RWY 22
EAGLE RIVER UNION (EGV)

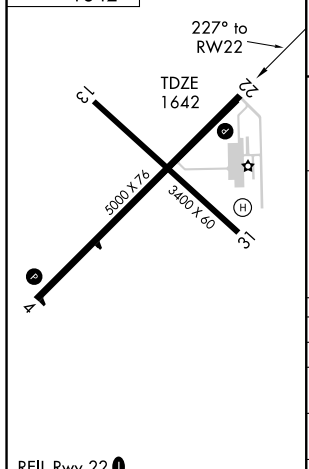
If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all DAs 47 feet and all MDAs 60 feet. Baro-VNAV NA when using Minocqua-Woodruff altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18° C (0° F) or above 45° C (113° F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

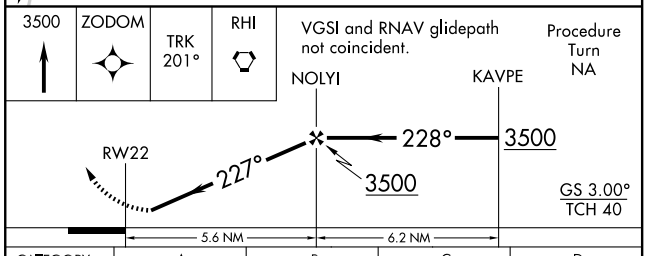
MISSED APPROACH: Climb to 3500 direct ZODEM and via 201° track to RHI VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.325	133.65 281.5	121.725	122.8 (CTAF) L



ELEV 1642





CATEGORY	A	B	C	D
LPV DA	2012-1¼ 370 (400-1¼)			
LNAV/VNAV DA	2038-1½ 396 (400-1½)			
LNAV MDA	2040-1 398 (400-1)			2040-1¼ 398 (400-1¼)
CIRCLING	2120-1 478 (500-1)		2120-1½ 478 (500-1½)	2200-2 558 (600-2)

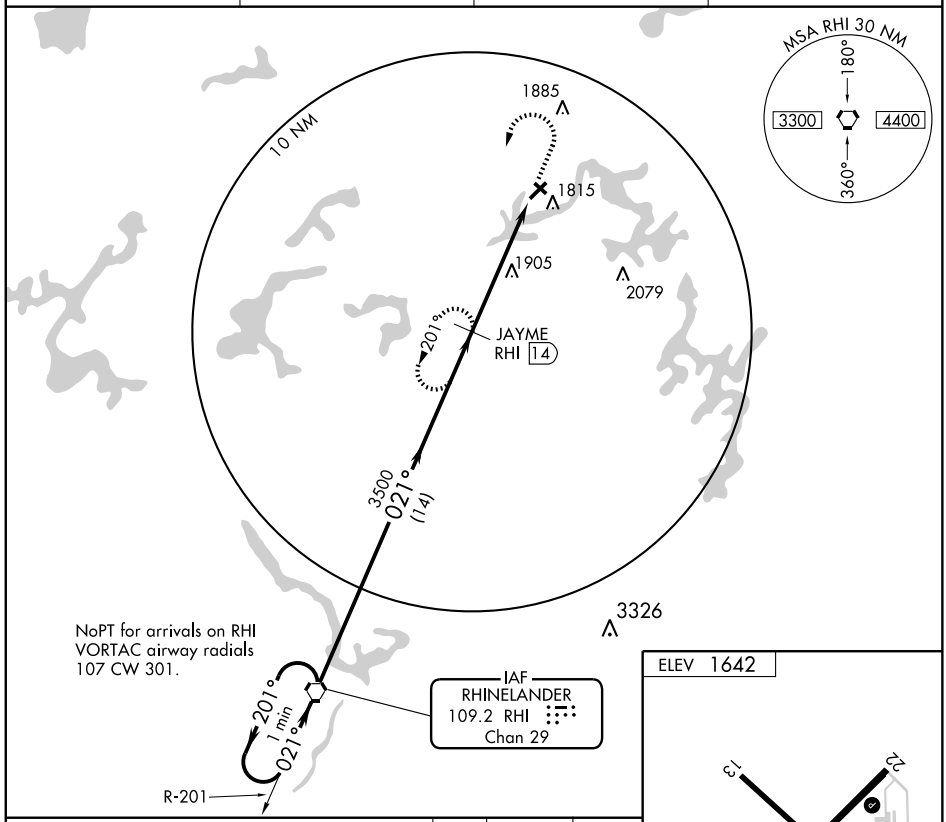
REIL Rwy 22 L
MIRL Rwys 4-22 and 3-31 L

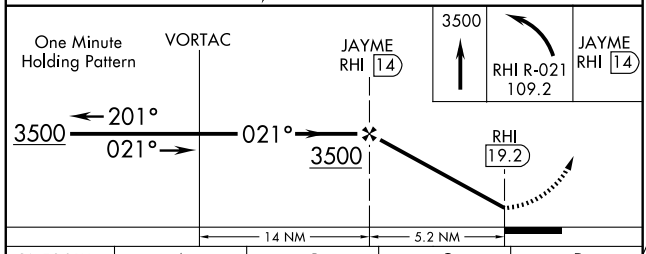
VORTAC RHI 109.2 Chan 29	APP CRS 021°	Rwy ldg 5000 TDZE 1642 Apt Elev 1642

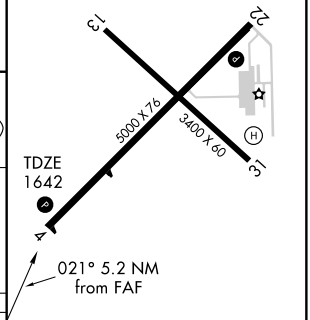
VOR/DME RWY 4
EAGLE RIVER UNION (EGV)

MISSED APPROACH: Climb to 3500 then left turn via RHI R-021 to JAYME and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.325	133.65 281.5	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-4	2260-1	618 (700-1)	2260-1¾ 618 (700-1¾)	2260-2 618 (700-2)
CIRCLING	2260-1	618 (700-1)	2260-1¾ 618 (700-1¾)	2260-2 618 (700-2)

REIL Rwys 4 and 22 L
MIRL Rwys 4-22 and 3-31 L

APP CRS	Rwy ldg	3900
081°	TDZE	851
	Apt Elev	860

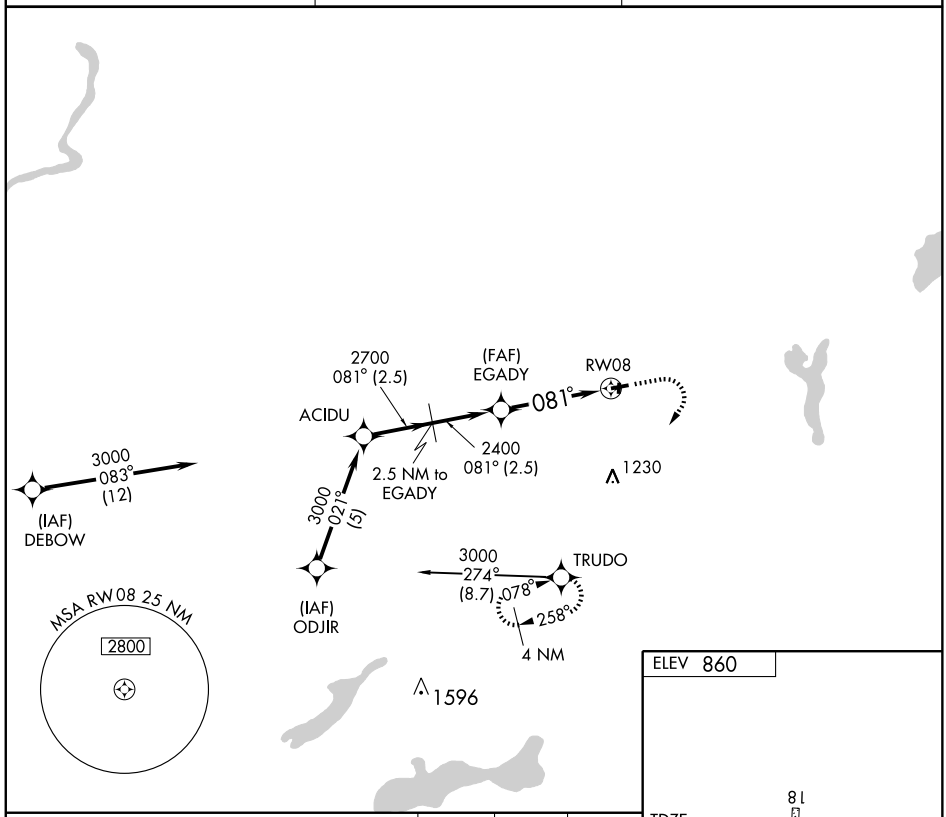
GPS RWY 8
EAST TROY MUNI (57C)

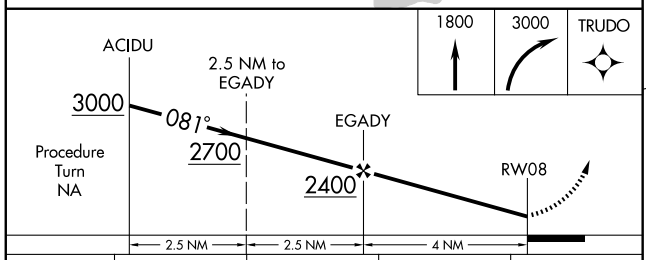
NA

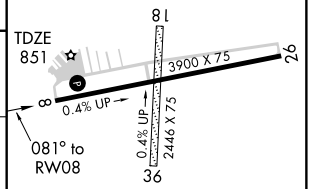
Use Milwaukee (General Mitchell Intl) altimeter setting.

MISSED APPROACH: Climb to 1800 then climbing right turn to 3000 direct TRUDO WP and hold.

GCO	MILWAUKEE APP CON	UNICOM
121.725	125.35 307.0	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-8	1380-1 529 (600-1)		1380-1½ 529 (600-1½)	1380-1¾ 529 (600-1¾)
CIRCLING	1380-1 520 (600-1)		1380-1½ 520 (600-1½)	1420-2 560 (600-2)

MIRL Rwy 8-26 L
REIL Rwys 8 and 26 L

APP CRS	Rwy ldg	3900
261°	TDZE	860
	Apt Elev	860

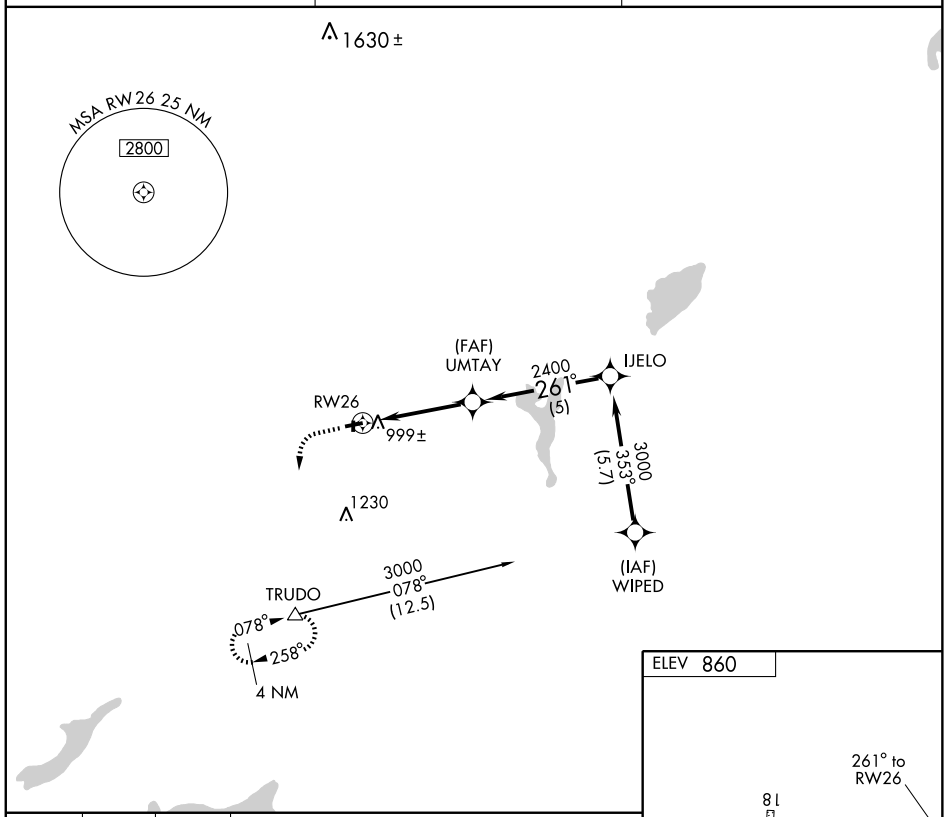
GPS RWY 26
EAST TROY MUNI (57C)

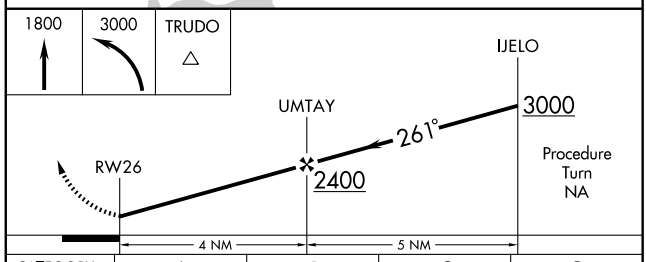
NA

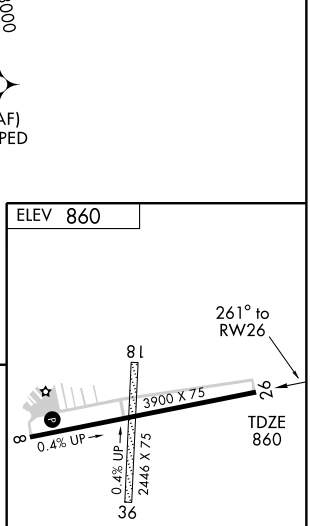
Use Milwaukee (General Mitchell Intl) altimeter setting.

MISSED APPROACH: Climb to 1800 then climbing left turn to 3000 direct TRUDO Int and hold.

GCO	MILWAUKEE APP CON	UNICOM
121.725	125.35 307.0	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-26	1340-1 480 (500-1)		1340-1¼ 480 (500-1¼)	1340-1½ 480 (500-1½)
CIRCLING	1380-1 520 (600-1)		1380-1½ 520 (600-1½)	1420-2 560 (600-2)

MIRL Rwy 8-26 L
REIL Rwys 8 and 26 L

EC-3, 14 JAN 2010 to 11 FEB 2010

EAST TROY, WISCONSIN

AL-9098 (FAA)

VORTAC BAE 116.4 Chan 111	APP CRS 190°	Rwy ldg N/A TDZE N/A Apt Elev 860

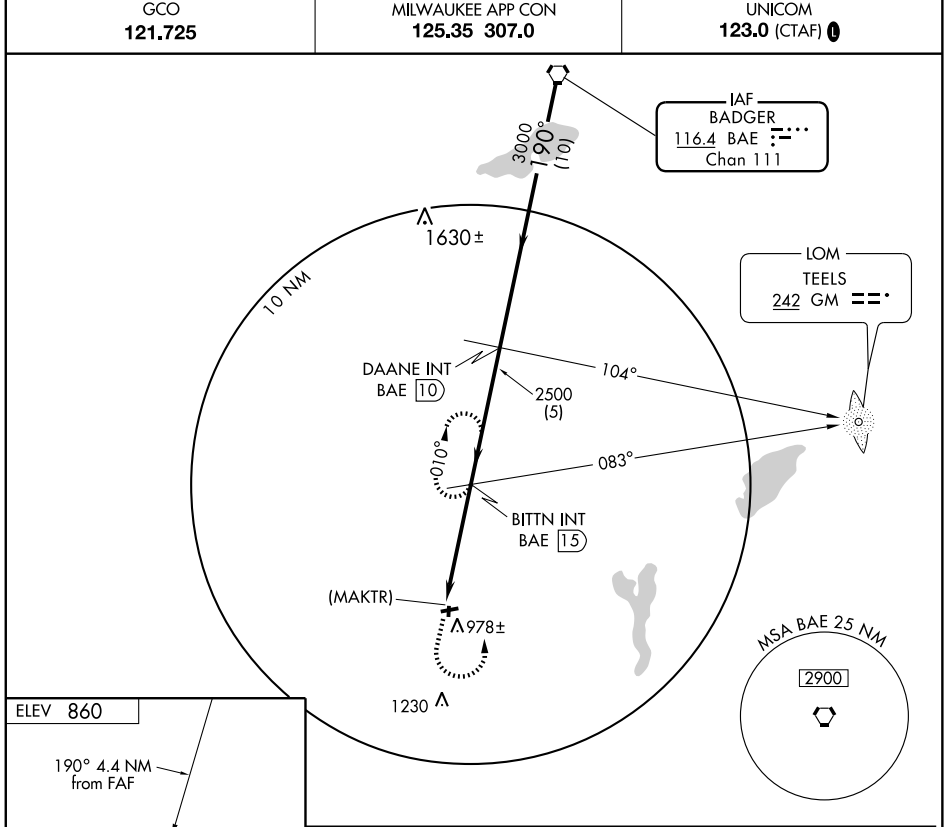
VOR or GPS-A

EAST TROY MUNI (57C)

Obtain local altimeter setting on CTAF; when not received, use Milwaukee (General Mitchell) altimeter setting.
NA
ADF OR DME REQUIRED

MISSED APPROACH: Climb to 2500 then left turn via BAE R-190 to BITTN Int/15 DME and hold.

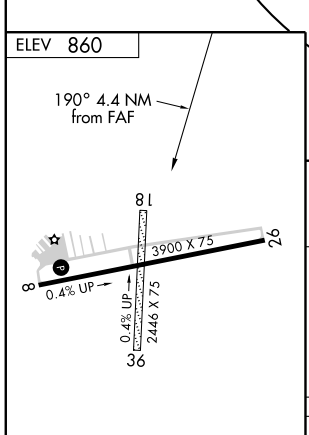
GCO	MILWAUKEE APP CON	UNICOM
121.725	125.35 307.0	123.0 (CTAF) L

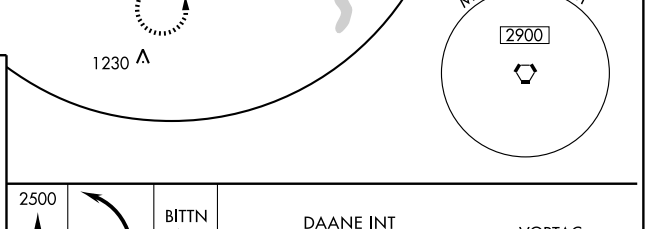


EC-3, 14 JAN 2010 to 11 FEB 2010

ELEV 860

190° 4.4 NM from FAF





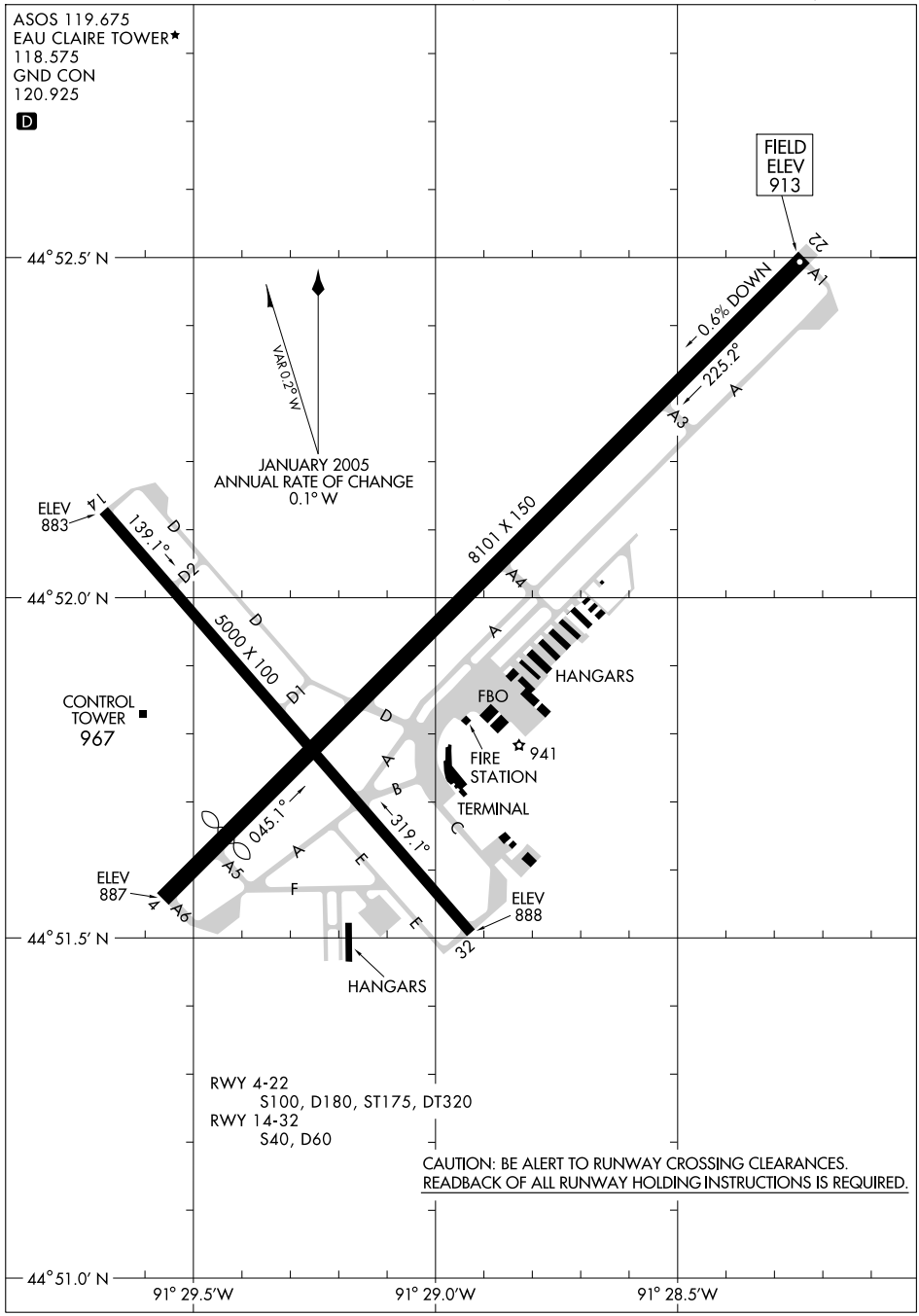
MIRL Rwy 8-26 L
REIL Rwys 8 and 26 L

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

CATEGORY	A	B	C	D
CIRCLING	1340-1	480 (500-1)	1340-1½ 480 (500-1½)	NA
MILWAUKEE (GENERAL MITCHELL) ALTIMETER SETTING MINIMUMS				
CIRCLING	1460-1	600 (600-1)	1460-1½ 600 (600-1½)	NA

AIRPORT DIAGRAM

EAU CLAIRE/CHIPPEWA VALLEY RGNL (EAU)
AL-937 (FAA)
EAU CLAIRE, WISCONSIN



LOC/DME I-EAU	APP CRS	Rwy ldg 7300
109.5	224°	TDZE 913
Chan 32		Apt Elev 913

ILS or LOC RWY 22

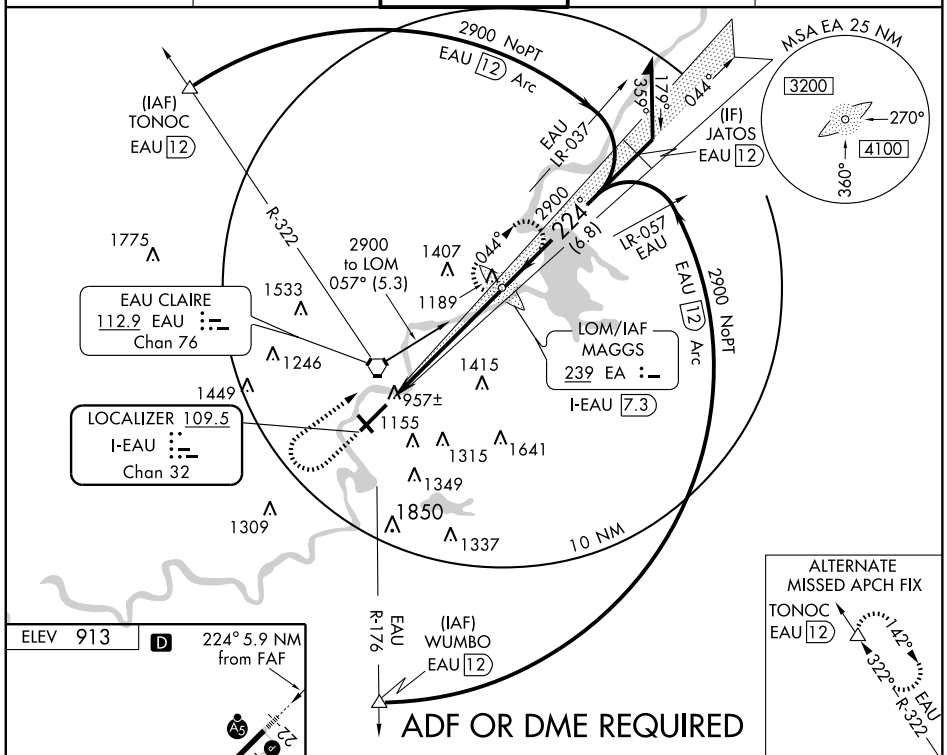
EAU CLAIRE/CHIPPEWA VALLEY RGNL (EAU)

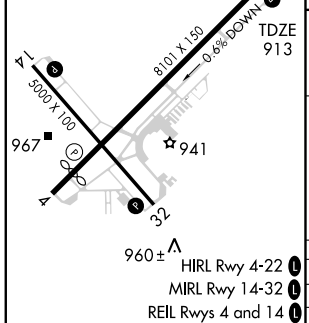
For inoperative MALSR when using Rice Lake altimeter setting, increase S-ILS 22 visibility to 1 mile all Cats. When local altimeter setting not received, use Rice Lake altimeter setting and increase DA 109 feet and all MDA 120 feet, increase S-LOC 22 Cat. C and D and Circling Cat. D visibility ¼ mile and increase Circling Cat. C visibility ½ mile.

MALSR

MISSED APPROACH: Climb to 1600 then climbing right turn to 2900 direct EA LOM and hold.

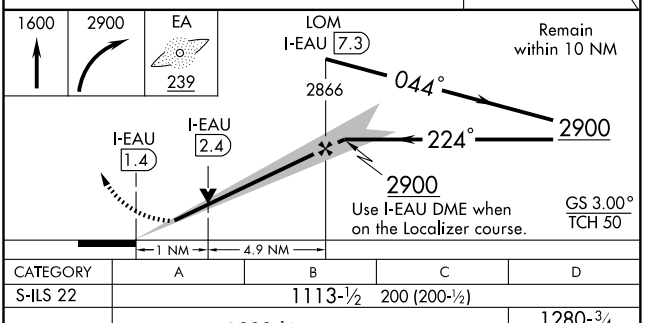
ASOS	MINNEAPOLIS CENTER	TOWER ★	GND CON	UNICOM
119.675	125.3 335.6	118.575 (CTAF) L	120.925	122.95





HIRL Rwy 4-22 L
MIRL Rwy 14-32 L
REIL Rwys 4 and 14 L

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-ILS 22	1113-½ 200 (200-½)			
S-LOC 22	1280-½ 367 (400-½)			1280-¾ 367 (400-¾)
CIRCLING	1480-1 567 (600-1)	1500-1 587 (600-1)	1500-1½ 587 (600-1½)	1660-2½ 747 (800-2½)

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-EAU	APP CRS	Rwy ldg 7300
109.5	044°	TDZE 889
Chan 32		Apt Elev 913

LOC/DME BC RWY 4

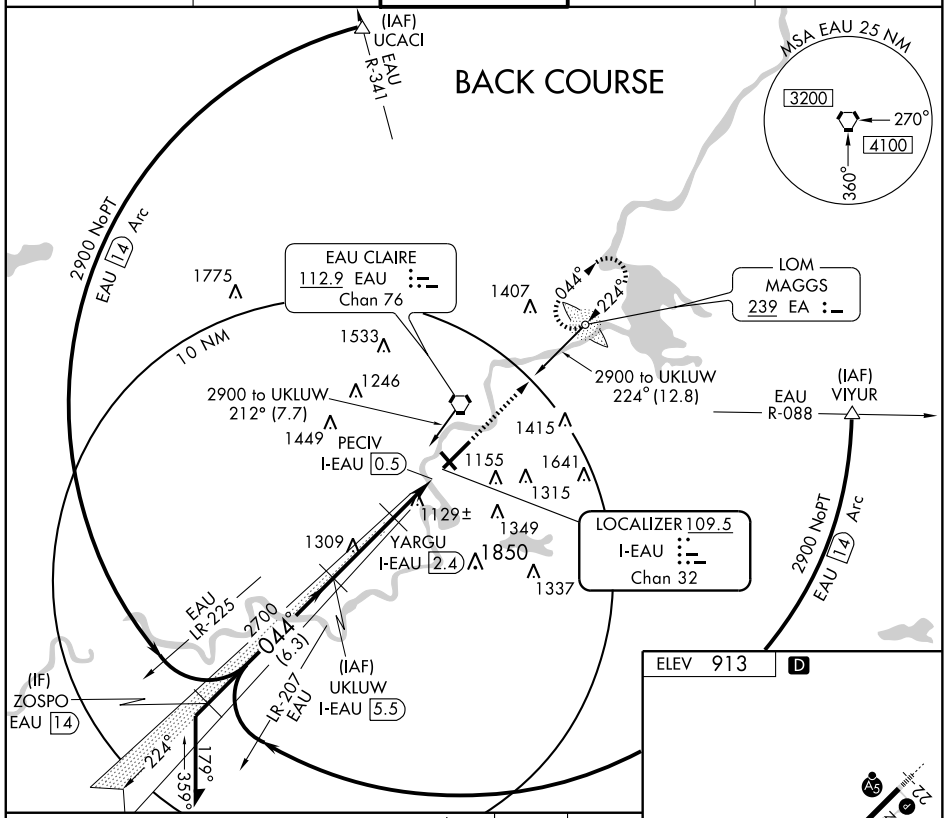
EAU CLAIRE/CHIPPEWA VALLEY RGNL (EAU)

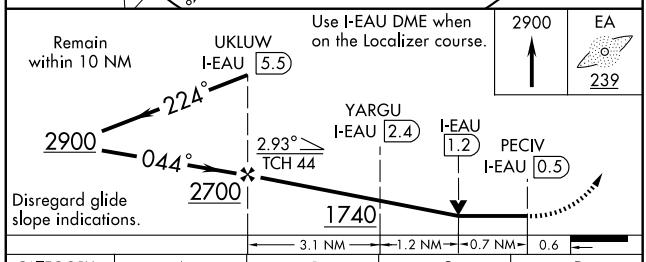
ADF REQUIRED. When local altimeter setting not received, use Rice Lake altimeter setting and increase all MDA 120 feet, increase S-4 Cats. C and D and Circling Cat. C visibility ½ mile, increase Circling Cat. D ¼ mile.

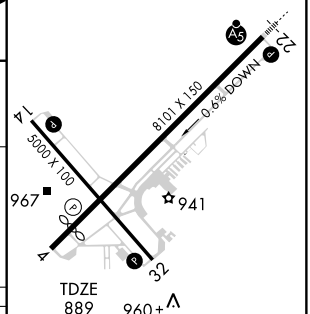
NA

MISSED APPROACH: Climb to 2900 direct EA LOM and hold.

ASOS	MINNEAPOLIS CENTER	TOWER ★	GND CON	UNICOM
119.675	125.3 335.6	118.575 (CTAF) L	120.925	122.95







CATEGORY	A	B	C	D
S-4	1380-1 491 (500-1)		1380-1¼ 491 (500-1¼)	1380-1½ 491 (500-1½)
CIRCLING	1460-1 547 (600-1)	1500-1 587 (600-1)	1500-1½ 587 (600-1½)	1660-2½ 747 (800-2½)

HIRL Rwy 4-22 L
MIRL Rwy 14-32 L
REIL Rwys 4 and 14 L

EC-3, 14 JAN 2010 to 11 FEB 2010

LOM EA	APP CRS	Rwy ldg	7301
239	224°	TDZE	913
		Apt Elev	913

NDB RWY 22

EAU CLAIRE/CHIPPEWA VALLEY RGNL (EAU)

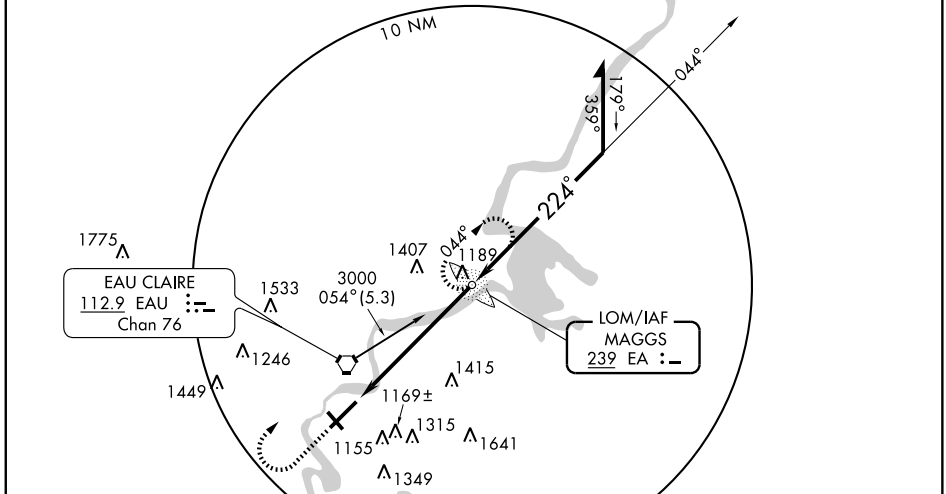
When local altimeter setting not received, use Rice Lake altimeter setting and increase all MDAs 120 feet, increase S-22 Cats. C/D and Circling Cat. C visibility ½ mile, increase Circling Cat. D visibility ¼ mile.

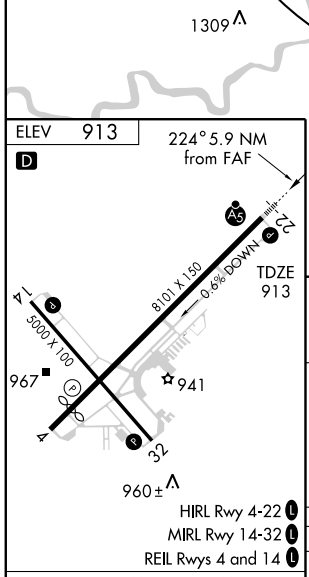
NA

MALSR

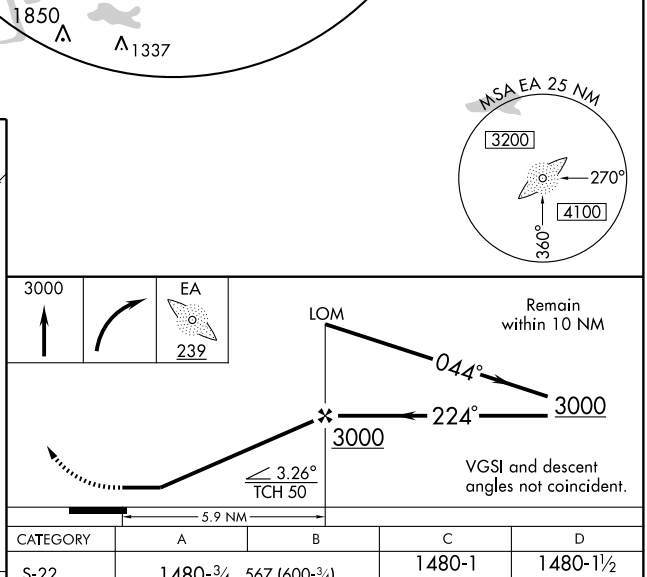
MISSED APPROACH: Climb to 3000 then right turn direct EA LOM and hold.

ASOS	MINNEAPOLIS CENTER	TOWER ★	GND CON	UNICOM
119.675	125.3 335.6	118.575 (CTAF) L	120.925	122.95





FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-22	1480-¾ 567 (600-¾)		1480-1 567 (600-1)	1480-1½ 567 (600-1½)
CIRCLING	1480-1 567 (600-1)	1500-1 587 (600-1)	1500-1½ 587 (600-1½)	1660-2½ 747 (800-2½)

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 87006 W22A	APP CRS 224°	Rwy ldg 7301 TDZE 913 Apt Elev 913

RNAV (GPS) RWY 22

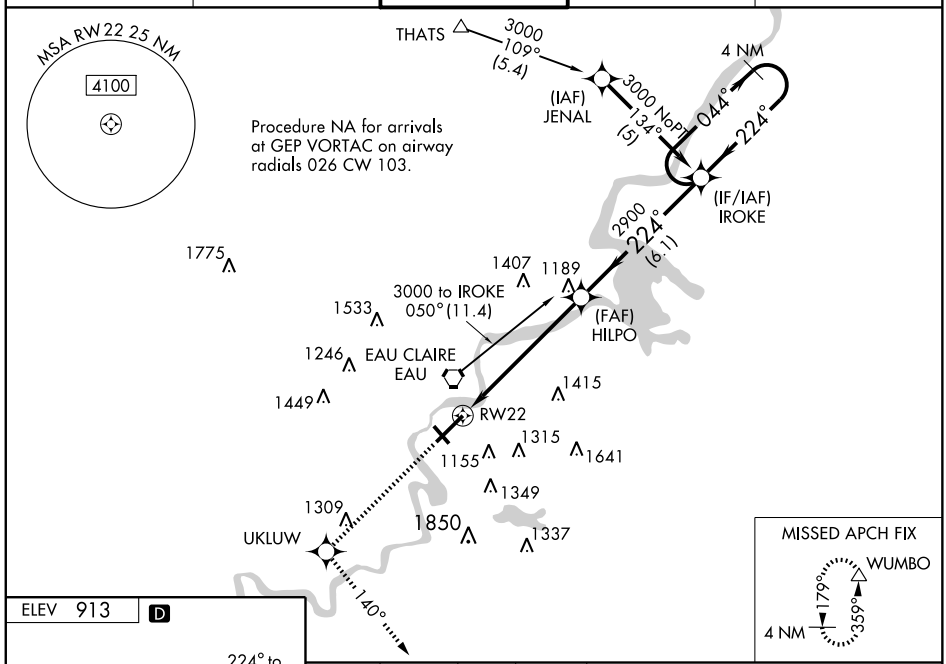
EAU CLAIRE/CHIPPEWA VALLEY RGNL (EAU)

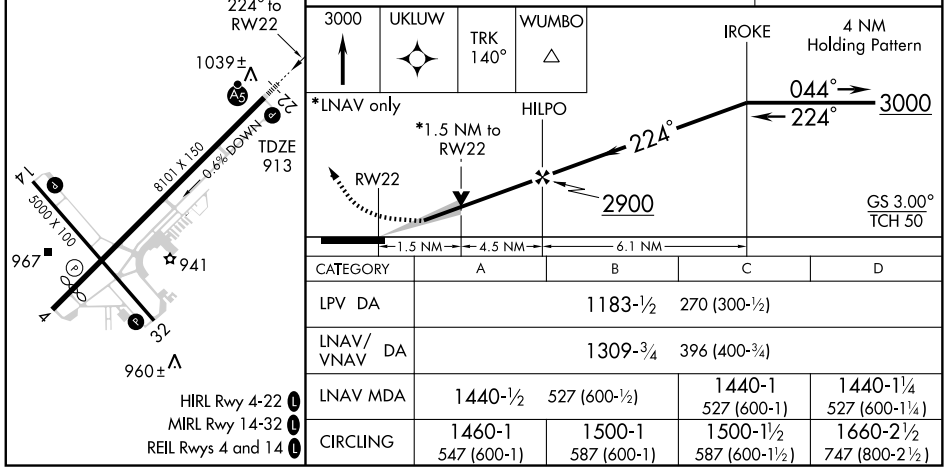
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). When local altimeter not received, use Rice Lake altimeter and increase all MDAs 120 feet, increase LPV all Cats. visibility ¼ mile, LNAV/VNAV all Cats. visibility ½ mile, LNAV Cat. C and D visibility ¼ mile, Circling Cat. C ½ mile and Cat. D ¼ mile. Baro-VNAV and VDP NA when using Rice Lake altimeter setting. DME/DME RNP-0.3 NA.

MALSR

MISSED APPROACH: Climb to 3000 direct UKLUW and via 140° track to WUMBO and hold.

ASOS	MINNEAPOLIS CENTER	TOWER ★	GND CON	UNICOM
119.675	125.3 335.6	118.575 (CTAF) L	120.925	122.95





CATEGORY	A	B	C	D
LPV DA	1183-½ 270 (300-½)			
LNAV/VNAV DA	1309-¾ 396 (400-¾)			
LNAV MDA	1440-½ 527 (600-½)		1440-1 527 (600-1)	1440-1¼ 527 (600-1¼)
CIRCLING	1460-1 547 (600-1)	1500-1 587 (600-1)	1500-1½ 587 (600-1½)	1660-2½ 747 (800-2½)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC EAU	APP CRS	Rwy ldg	N/A
112.9	184°	TDZE	N/A
Chan 76		Apt Elev	913

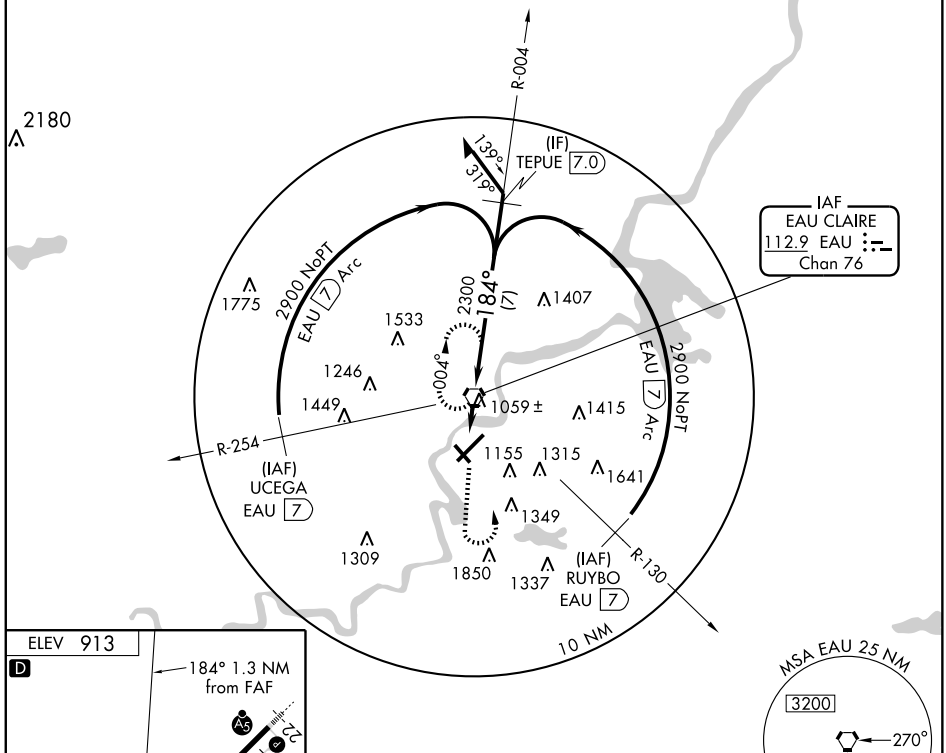
VOR-A

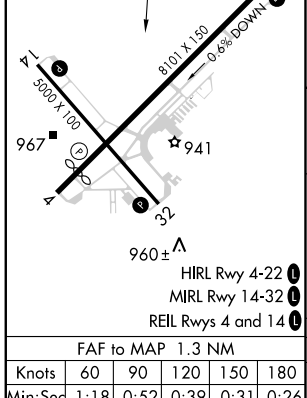
EAU CLAIRE/CHIPPEWA VALLEY RGNL (EAU)

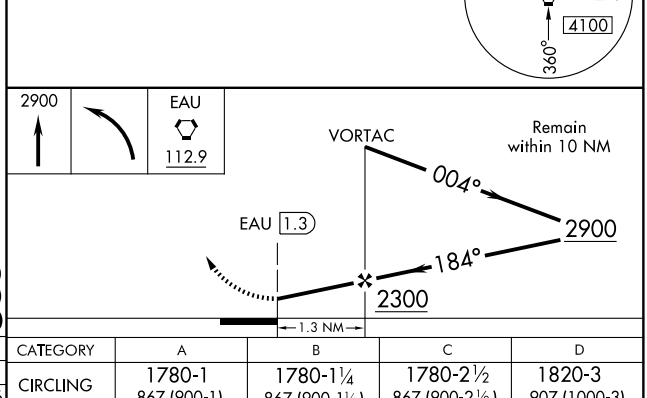
Visibility reduction by helicopters NA. When local altimeter setting not received, use Rice Lake altimeter setting and increase all MDA 120 feet, increase Circling Cat. A and B visibility ¼ mile and Cat. C visibility ½ mile.

MISSED APPROACH: Climb to 2900 then left turn direct EAU VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	TOWER ★	GND CON	UNICOM
119.675	125.3 335.6	118.575 (CTAF) L	120.925	122.95







FAF to MAP 1.3 NM					
Knots	60	90	120	150	180
Min:Sec	1:18	0:52	0:39	0:31	0:26

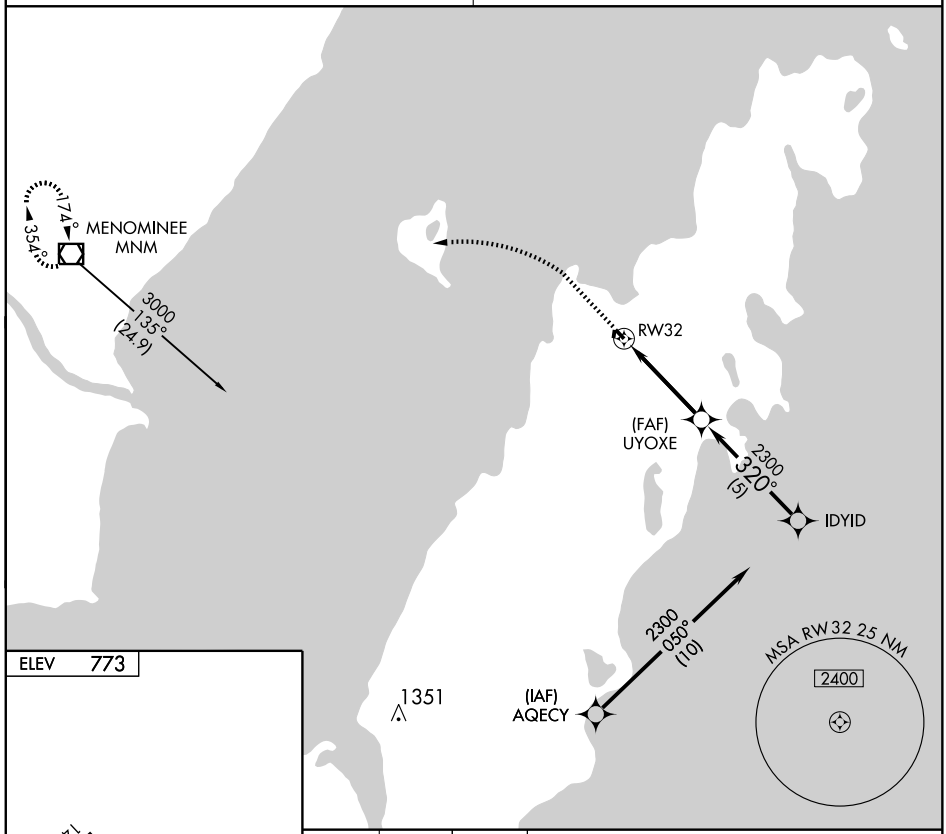
CATEGORY	A	B	C	D
CIRCLING	1780-1 867 (900-1)	1780-1¼ 867 (900-1¼)	1780-2½ 867 (900-2½)	1820-3 907 (1000-3)

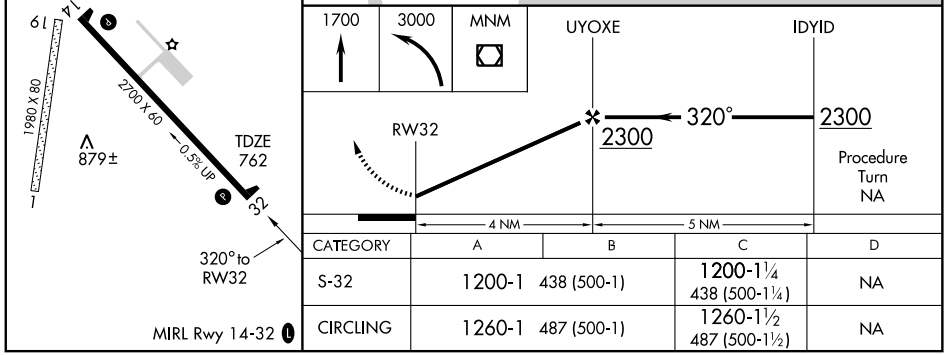
EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2700
320°	TDZE	762
	Apt Elev	773

GPS RWY 32
EPHRAIM-FISH CREEK (3D2)

▲ NA Use Menominee, MI altimeter setting.	MISSED APPROACH: Climb to 1700 then climbing left turn to 3000 direct MNM VOR/DME and hold.
GREEN BAY APP CON ★ **119.5 338.2**	UNICOM **123.0** (CTAF) Ⓛ





CATEGORY	A	B	C	D
S-32	1200-1 438 (500-1)		1200-1¼ 438 (500-1¼)	NA
CIRCLING	1260-1 487 (500-1)		1260-1½ 487 (500-1½)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

FOND DU LAC, WISCONSIN

AL-5231 (FAA)

LOC/DME RWY 36

FOND DU LAC COUNTY (FLD)

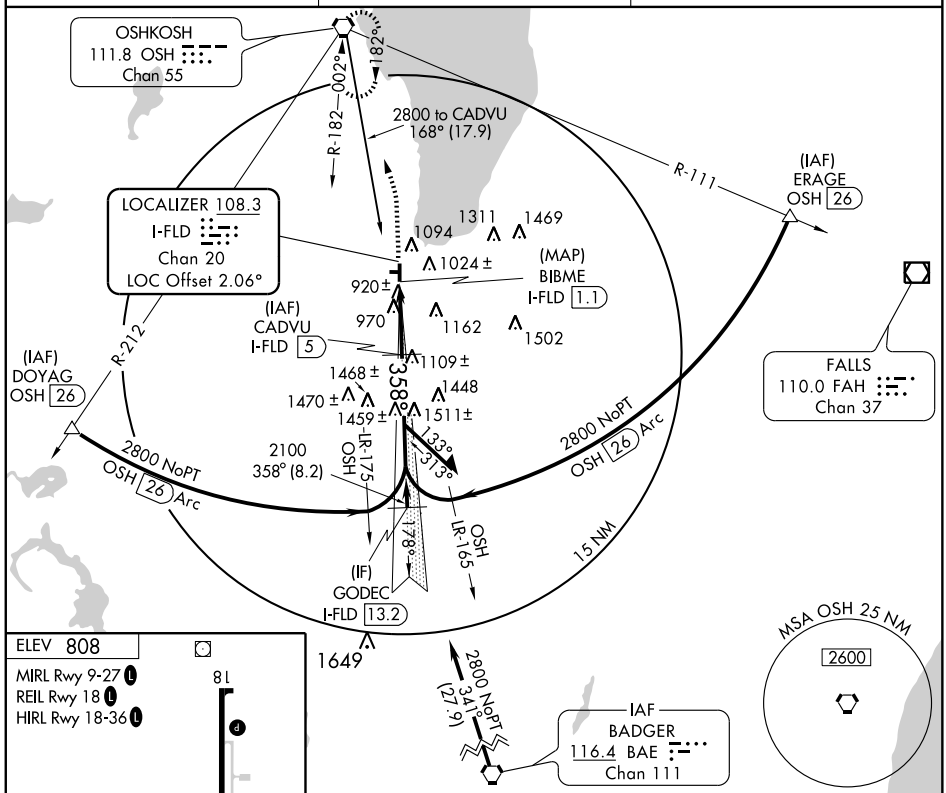
LOC/DME I-FLD	APP CRS	Rwy ldg	5940
108.3	358°	TDZE	795
Chan 20		Apt Elev	808

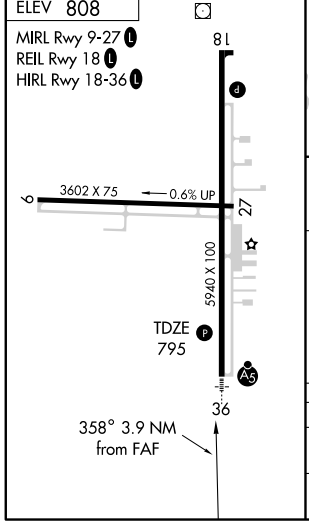
If local altimeter setting not received, use Oshkosh altimeter setting and increase all MDAs 40 feet. Visibility reduction by helicopters NA.
For inoperative MALSR, increase S-36 Cats. A-C visibility to 1 mile.

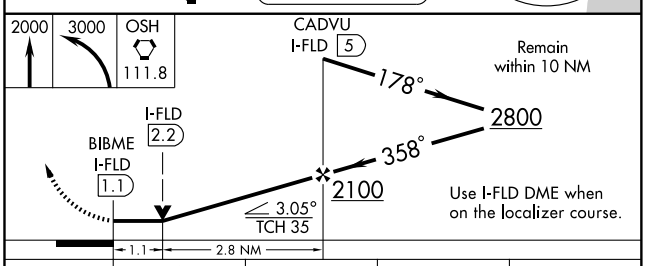
MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct OSH VORTAC and hold.

ASOS	MILWAUKEE APP CON	UNICOM
134.0	127.0 263.075	123.05 (CTAF)







CATEGORY	A	B	C	D
S-36	1180-¾ 385 (400-¾)			
CIRCLING	1420-1 612 (700-1)		1420-1¾ 612 (700-1¾)	1420-2 612 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 93800 W36A	APP CRS 360°	Rwy ldg 5940 TDZE 795 Apt Elev 808

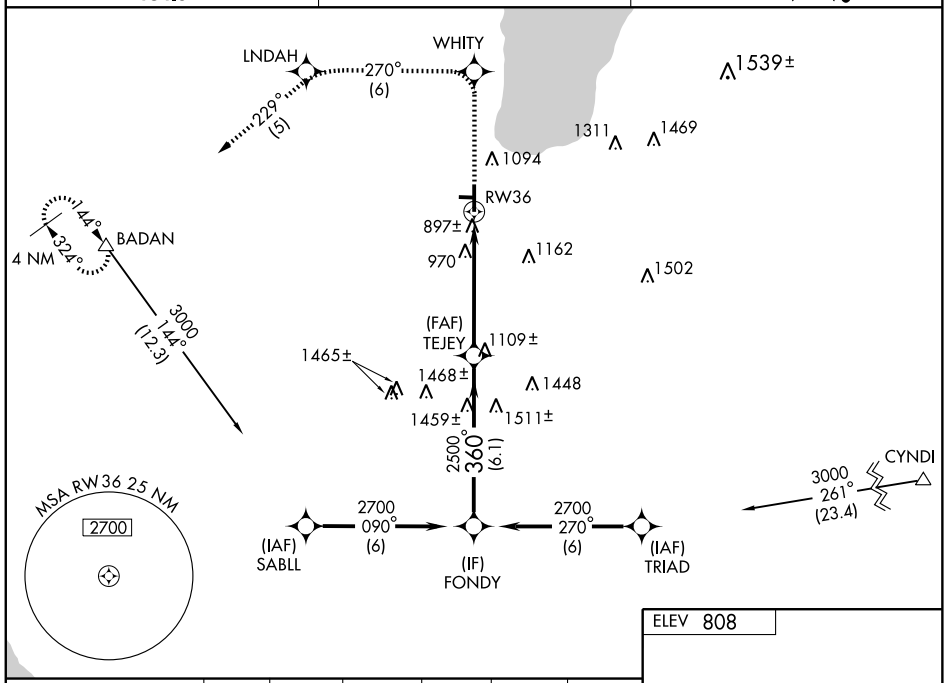
RNAV (GPS) RWY 36
FOND DU LAC COUNTY (FLD)

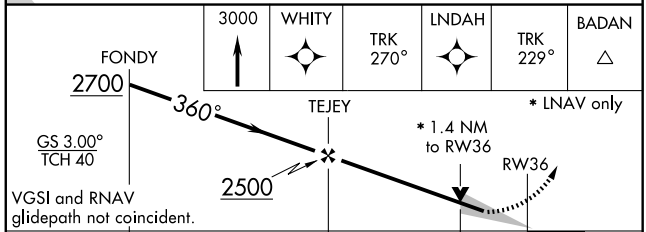
If local altimeter setting not received, use Wittman Rgnl altimeter setting and increase all DAs/MDAs 40 feet. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (117°F). VDP NA when using Wittman Rgnl altimeter setting. DME/DME RNP-0.3 NA. For inoperative MALSR, increase LPV all Cats. visibility to 1¼ mile. Baro-VNAV NA when using Wittman Rgnl altimeter setting.

MALSR

MISSED APPROACH: Climb to 3000 direct WHITY and via 270° track to LNDAH and via 229° track to BADAN and hold.

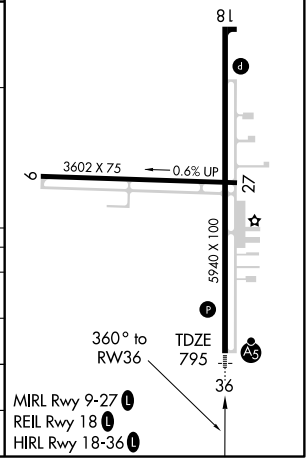
ASOS	MILWAUKEE APP CON	UNICOM
134.0	127.0 263.075	123.05 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1125-¾ 330 (400-¾)			
LNAV/VNAV DA	1171-¾ 376 (400-¾)			
LNAV MDA	1280-½ 485 (500-½)		1280-¾ 485 (500-¾)	1280-1 485 (500-1)
CIRCLING	1400-1¼ 592 (600-1¼)		1400-1½ 592 (600-1½)	1400-2 592 (600-2)

ELEV 808



EC-3, 14 JAN 2010 to 11 FEB 2010

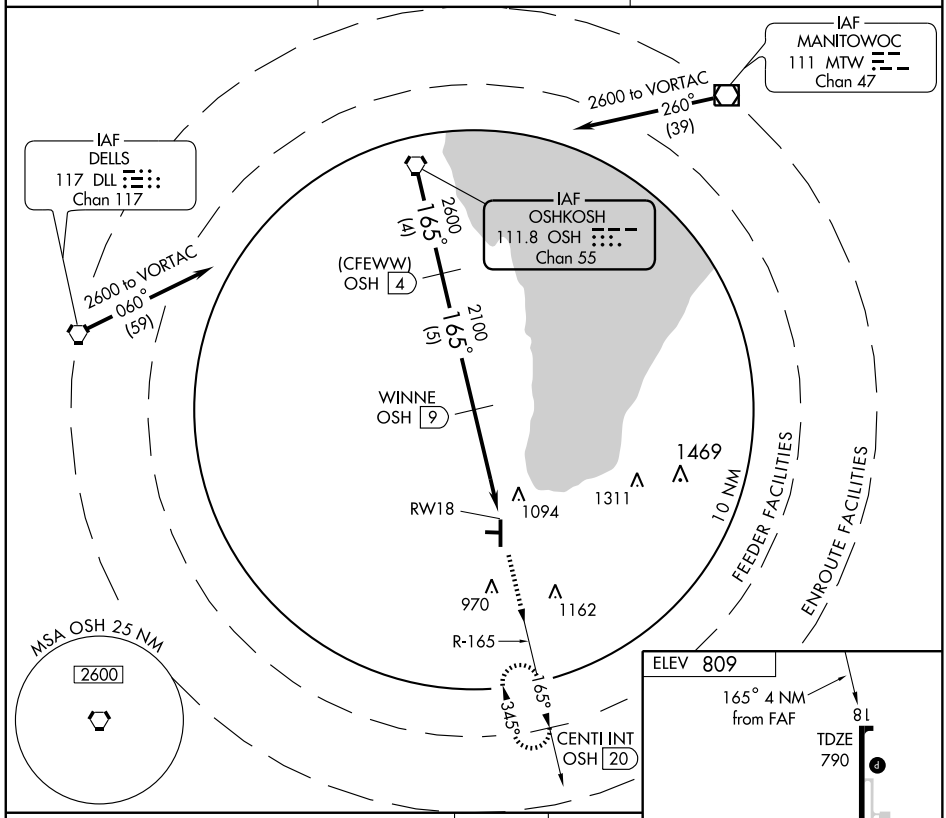
VORTAC OSH 111.8 Chan 55	APP CRS 165°	Rwy ldg 5940 TDZE 790 Apt Elev 809

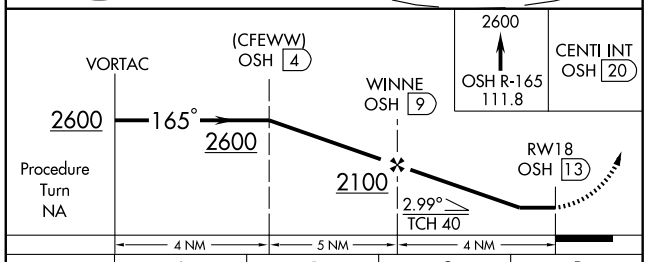
VOR/DME or GPS RWY 18

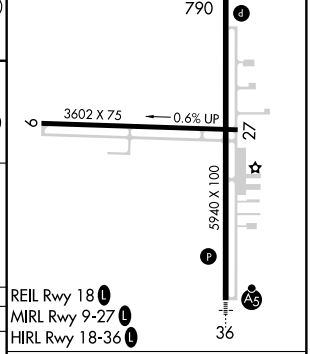
FOND DU LAC COUNTY (FLD)

MISSED APPROACH: Climb to 2600 via OSH R-165 to CENTI Int/20 DME and hold.

ASOS	MILWAUKEE APP CON	UNICOM
134.0	127.0 263.075	123.05 (CTAF) L







CATEGORY	A	B	C	D
S-18	1360-1 570 (600-1)		1360-1½ 570 (600-1½)	1360-1¾ 570 (600-1¾)
CIRCLING	1400-1 591 (600-1)		1400-1½ 591 (600-1½)	1400-2 591 (600-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

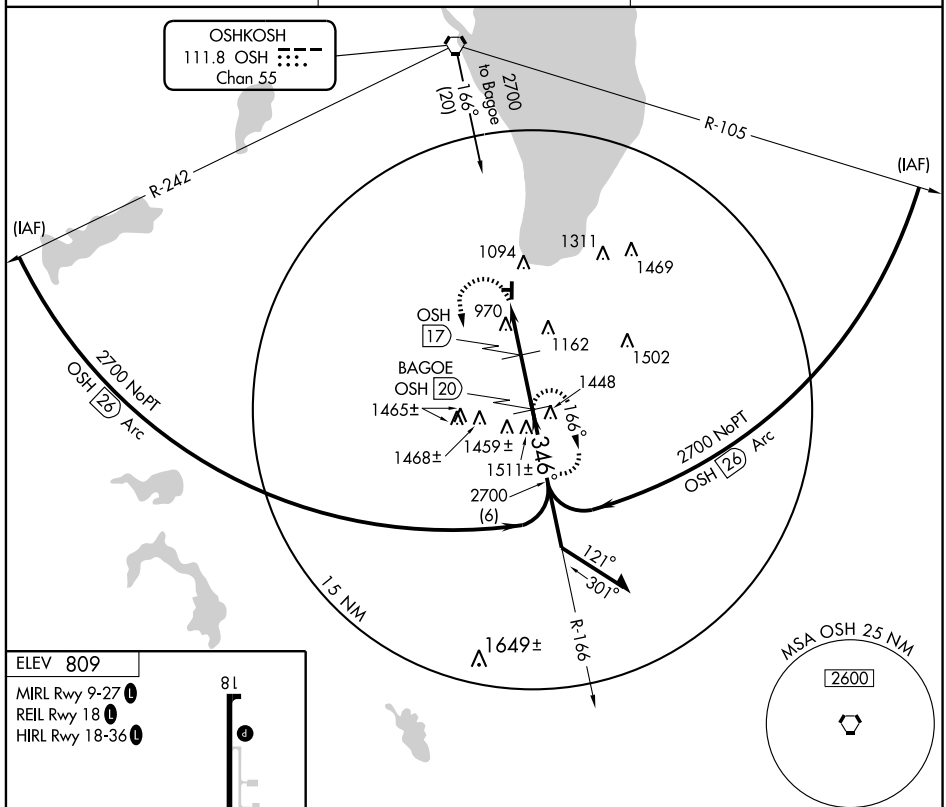
VORTAC OSH	APP CRS	Rwy ldg	5940
111.8	346°	TDZE	795
Chan 55		Apt Elev	809

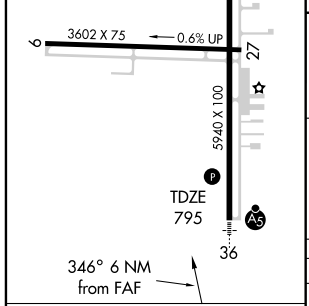
VOR/DME RWY 36
FOND DU LAC COUNTY (FLD)

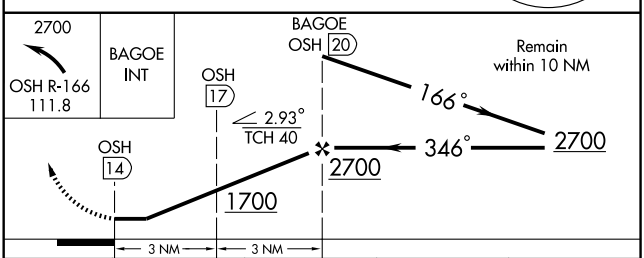
MALSR

MISSED APPROACH: Climbing left turn to 2700 via OSH R-166 to BAGOE 20 DME and hold.

ASOS	MILWAUKEE APP CON	UNICOM
134.0	127.0 263.075	123.05 (CTAF) L







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-36	1420-½ 625 (700-½)		1420-1¼ 625 (700-1¼)	1420-1½ 625 (700-1½)
CIRCLING	1420-1 611 (700-1)		1420-1¾ 611 (700-1¾)	1420-2 611 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

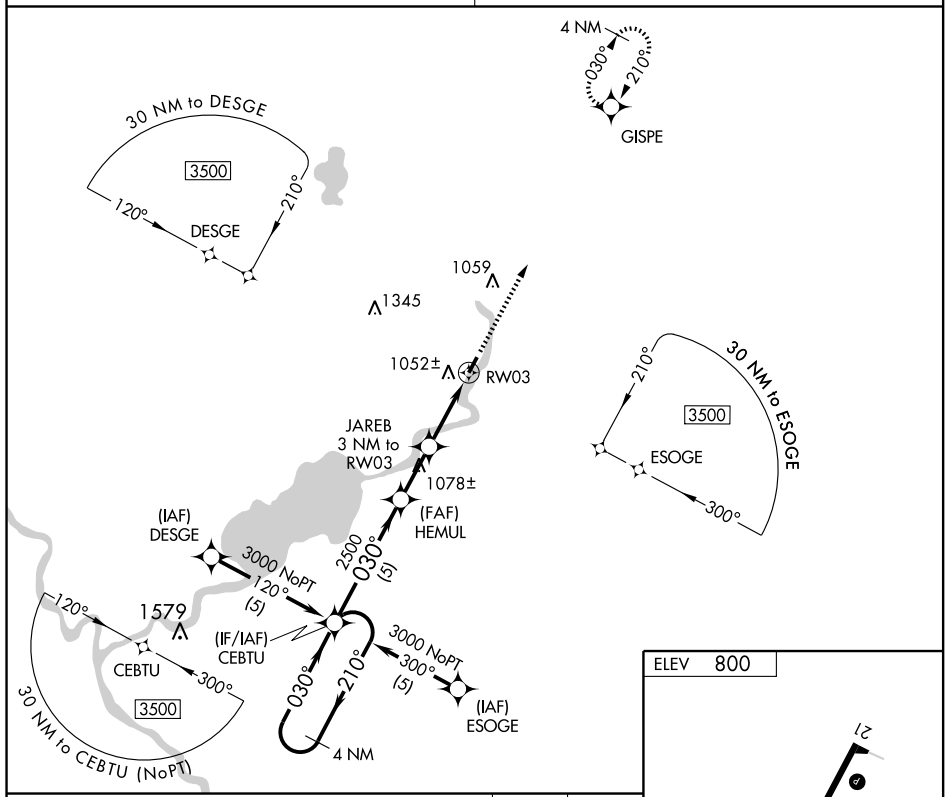
FORT ATKINSON, WISCONSIN

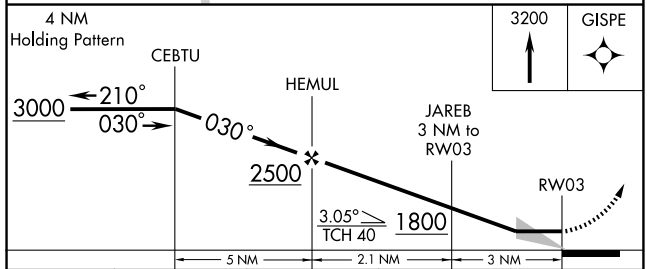
AL-9037 (FAA)

RNAV (GPS) RWY 3
FORT ATKINSON MUNI (61C)

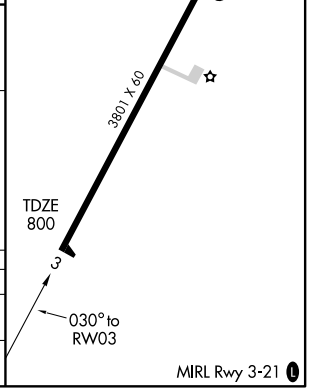
APP CRS	Rwy ldg	3801
030°	TDZE	800
	Apt Elev	800

⚠ NA Use Watertown Muni altimeter setting. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3200 direct GISPE WP and hold.
MADISON APP CON ★ **120.1 350.3**	CTAF 122.9 Ⓛ





CATEGORY	A	B	C	D
LNAV MDA	1340-1 540 (600-1)		1340-1½ 540 (600-1½)	NA
CIRCLING	1400-1 600 (700-1)		1400-1½ 600 (700-1½)	NA

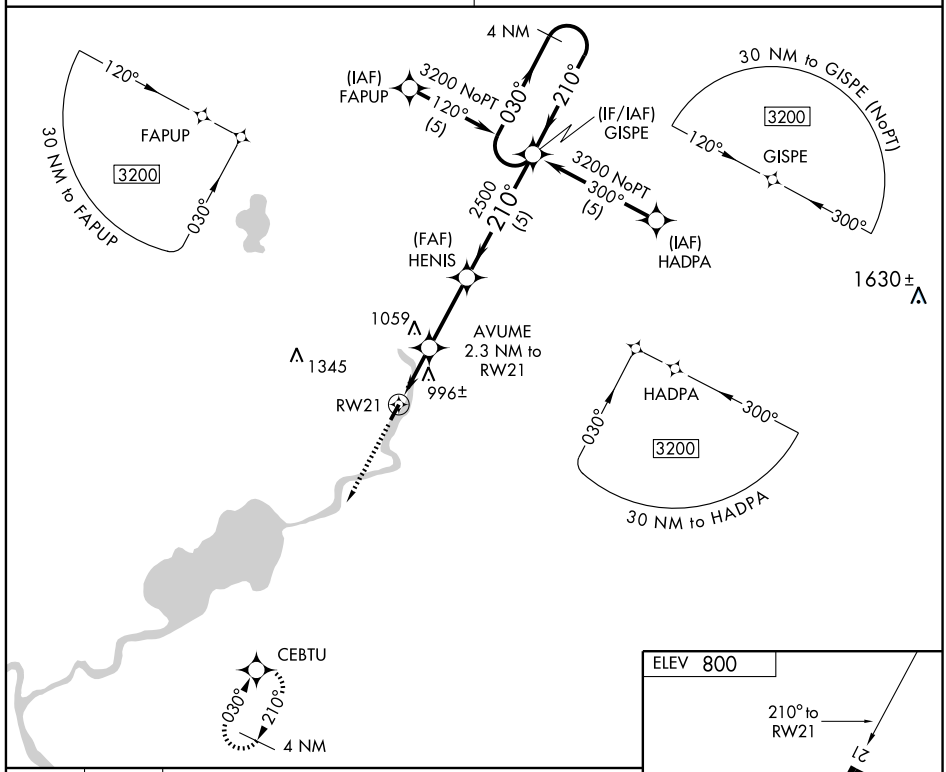


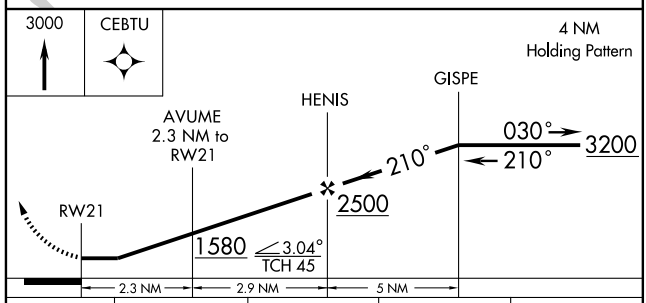
EC-3, 14 JAN 2010 to 11 FEB 2010

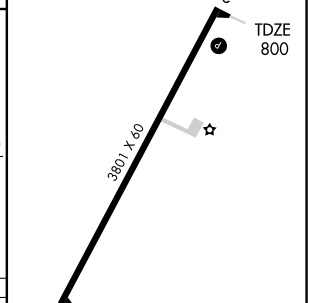
APP CRS	Rwy ldg	3801
210°	TDZE	800
	Apt Elev	800

RNAV (GPS) RWY 21
FORT ATKINSON MUNI (61C)

NA Use Watertown Muni altimeter setting. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3200 direct CEBTU WP and hold.
MADISON APP CON ★ **120.1 350.3**	CTAF 122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1300-1 500 (600-1)		1300-1¼ 500 (600-1¼)	NA
CIRCLING	1400-1 600 (700-1)		1400-1½ 600 (700-1½)	NA

MIRL Rwy 3-21 L

EC-3. 14 JAN 2010 to 11 FEB 2010

FORT ATKINSON, WISCONSIN

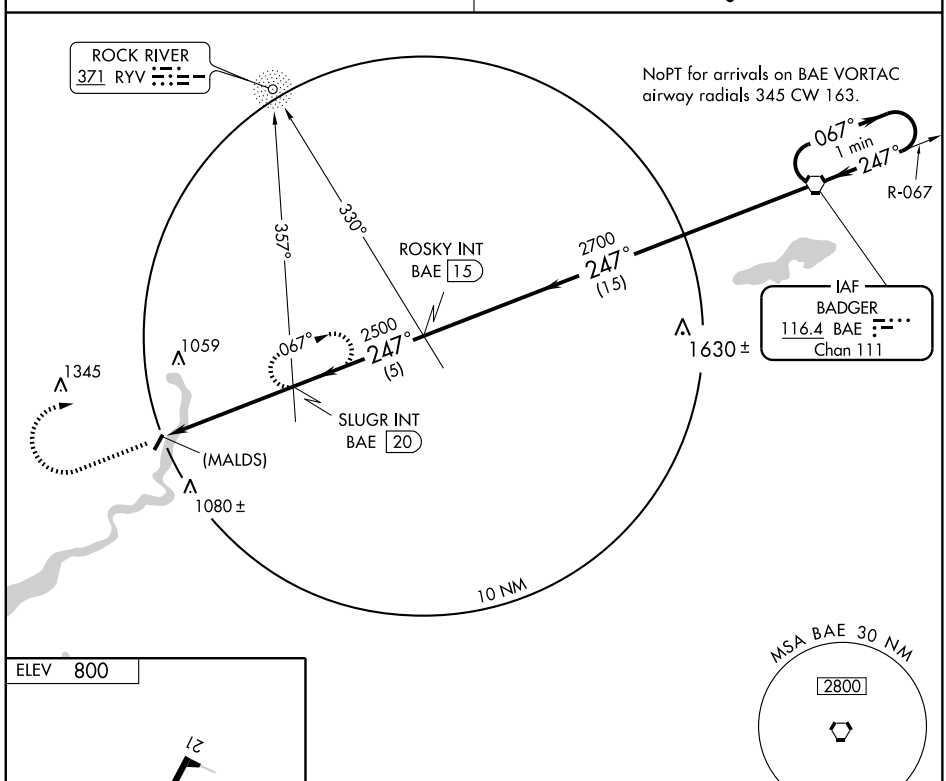
VORTAC BAE	APP CRS	Rwy ldg	N/A
116.4	247°	TDZE	N/A
Chan 111		Apt Elev	800

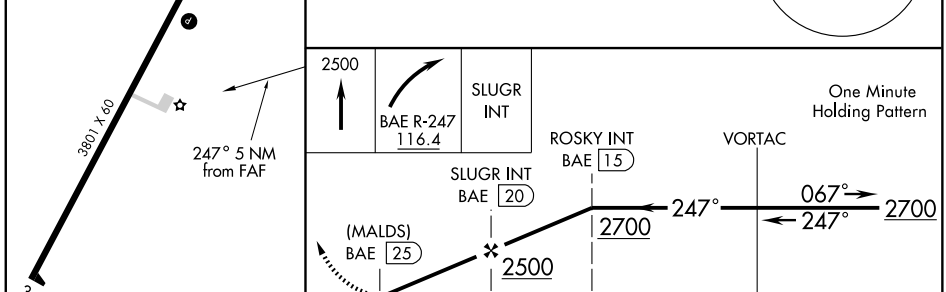
AL-9037 (FAA)

VOR-A

FORT ATKINSON MUNI (61C)

NA Use Watertown altimeter setting. ADF or DME REQUIRED.	MISSED APPROACH: Climb to 2500 then right turn via BAE R-247 to SLUGR Int and hold.
MADISON APP CON ★ 120.1 350.3	CTAF 122.9 L





FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

CATEGORY	A	B	C	D
CIRCLING	1420-1 620 (700-1)	1420-1¼ 620 (700-1¼)	1420-1¾ 620 (700-1¾)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3400
334°	TDZE	976
	Apt Elev	976

RNAV (GPS) RWY 33

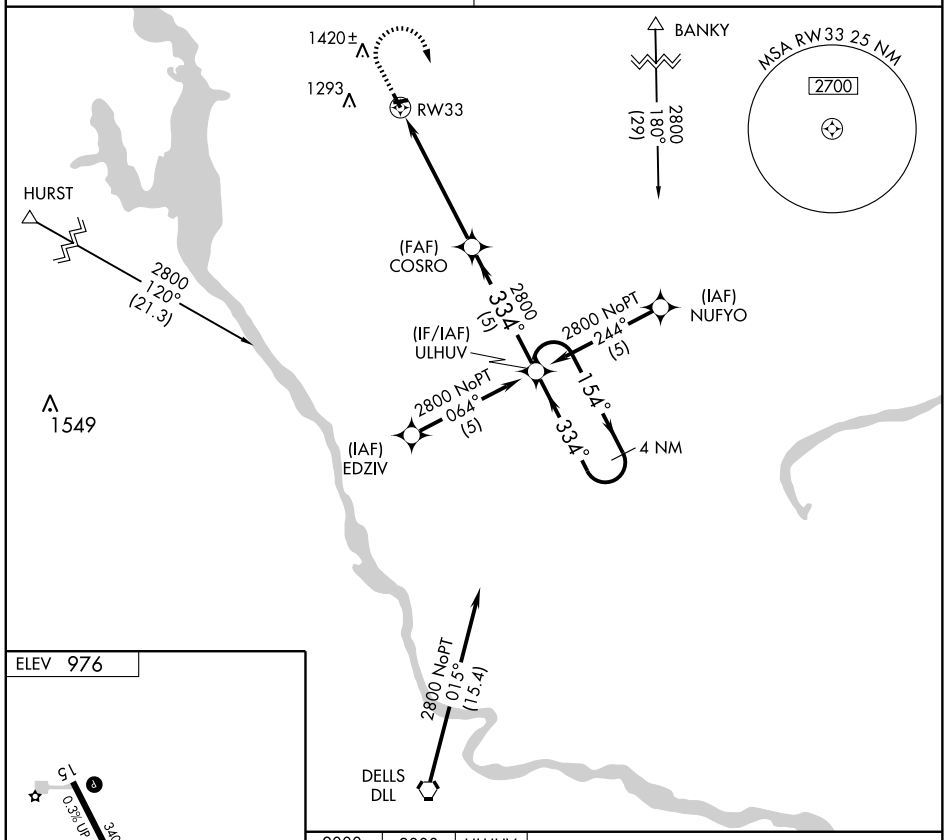
FRIENDSHIP (ADAMS) /ADAMS COUNTY LEGION FIELD (63C)

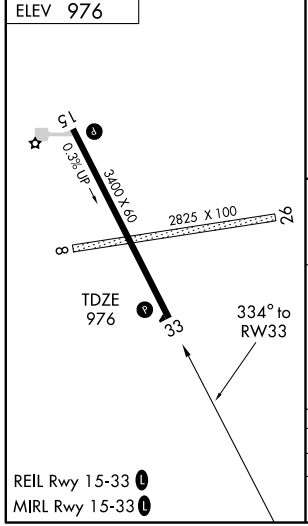
NA

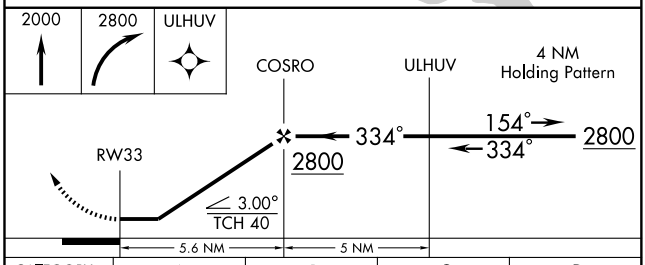
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Use Baraboo Wisconsin Dells altimeter setting.

MISSED APPROACH: Climb to 2000 then climbing right turn to 2800 direct ULHUV WP and hold.

VOLK APP CON ★	CTAF
135.25 290.8	122.9 L





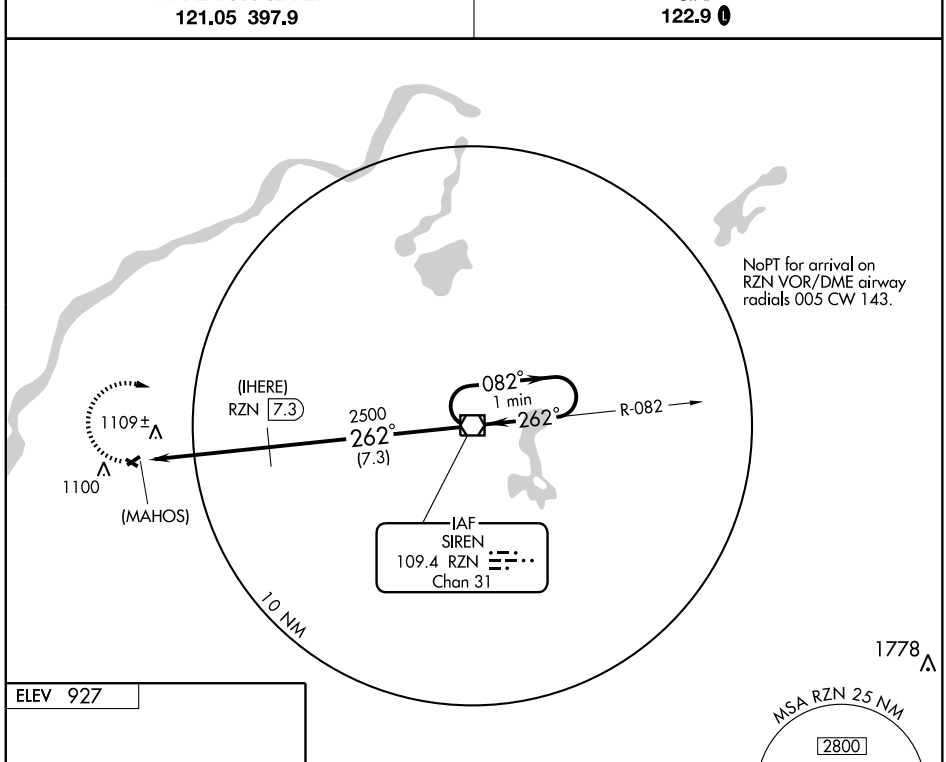


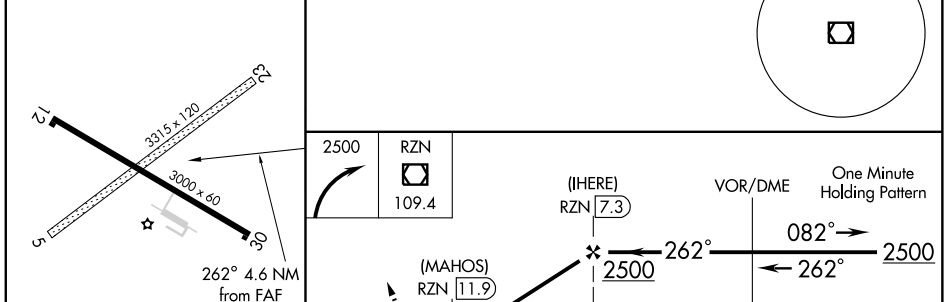
CATEGORY	A	B	C	D
LNAV MDA	1500-1 524 (600-1)		NA	
CIRCLING	1640-1 664 (700-1)	1760-1¼ 784 (800-1¼)	NA	

VOR/DME RZN 109.4 Chan 31	APP CRS 262°	Rwy ldg N/A TDZE N/A Apt Elev 927

VOR/DME or GPS-A
GRANTSBURG MUNI (GTG)

NA Use Cambridge, MN altimeter setting.	MISSED APPROACH: Climbing right turn to 2500 direct RZN VOR/DME and hold.
MINNEAPOLIS CENTER 121.05 397.9	CTAF 122.9 L





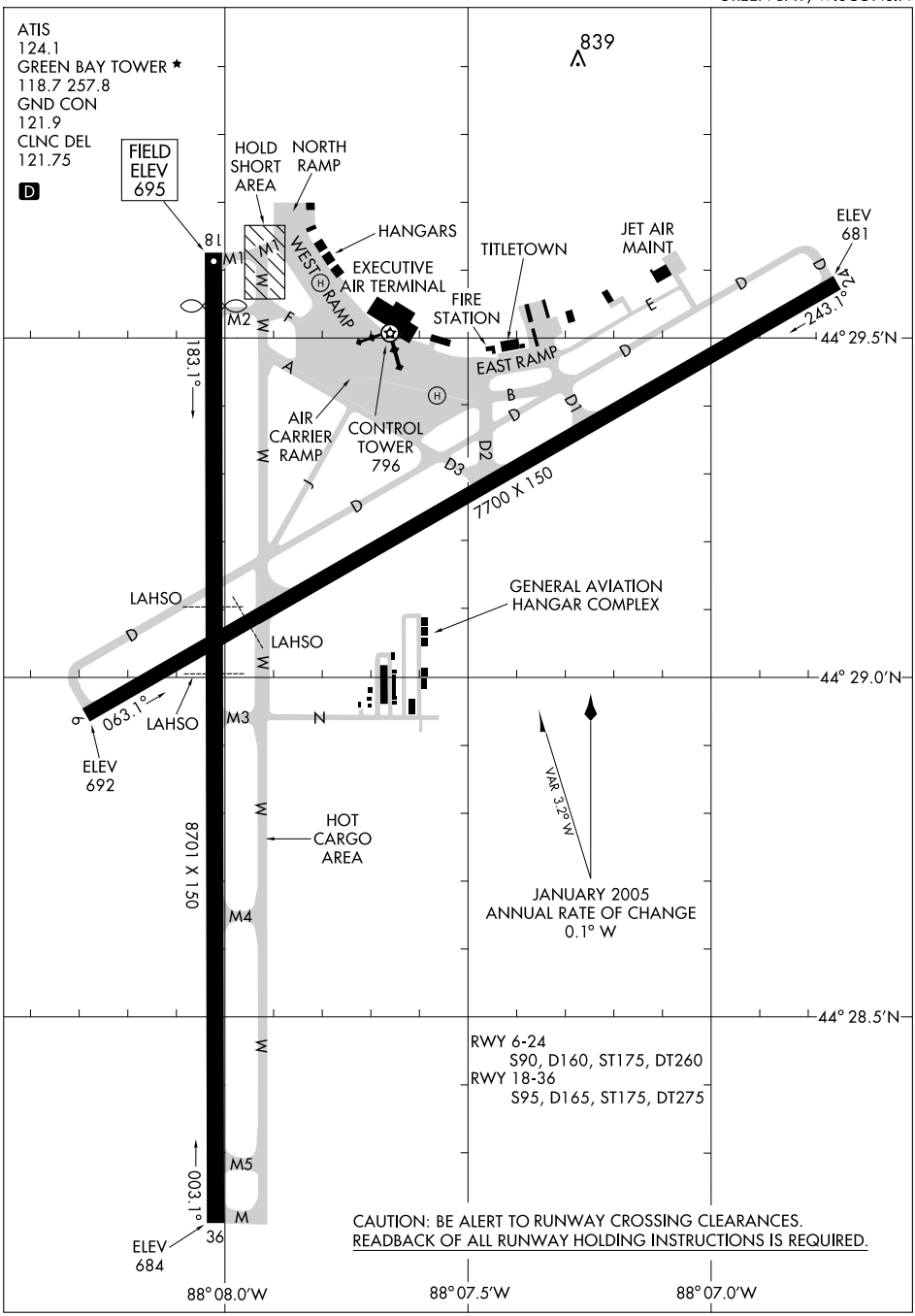
Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	1480-1 553 (600-1)		1480-1½ 553 (600-1½)	NA

AIRPORT DIAGRAM

AL-873 (FAA)

GREEN BAY/AUSTIN STRAUBEL INTL (GRB)
GREEN BAY, WISCONSIN



ILS or LOC RWY 6
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

LOC/DME I-GRB	APP CRS	Rwy ldg	7700
109.5	062°	TDZE	692
Chan 32		Apt Elev	695

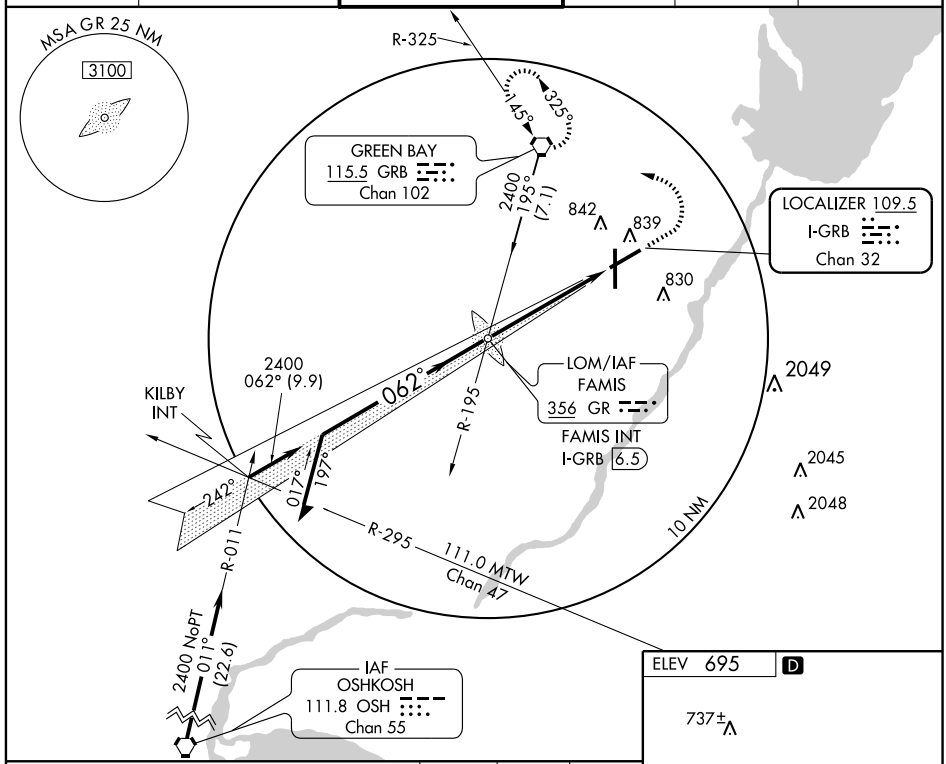
T A ASR

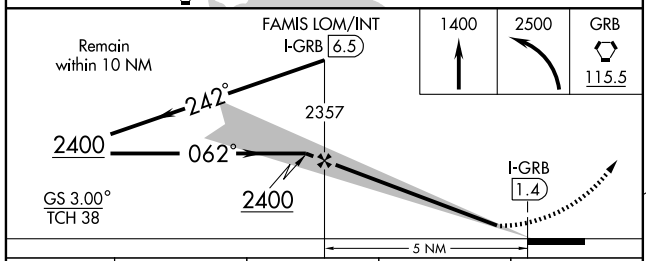
* RVR 1800 authorized with the use of FD or AP or HUD to DA.

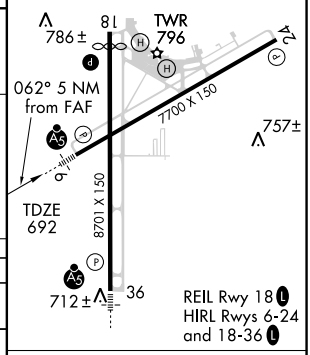
MALSR A5

MISSED APPROACH: Climb to 1400 then climbing left turn to 2500 direct GRB VORTAC and hold.

ATIS	GREEN BAY APP CON*	GREEN BAY TOWER*	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) L 257.8	121.9	121.75	122.95







CATEGORY	A	B	C	D
S-ILS 6	* 892/24 200 (200-½)			
S-LOC 6	1100/24 408 (500-½)			1100/40 408 (500-¾)
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

EC-3. 14 JAN 2010 to 11 FEB 2010

LOC I-SGZ	APP CRS	Rwy ldg	8701
109.9	002°	TDZE	684
		Apt Elev	695

ILS or LOC RWY 36

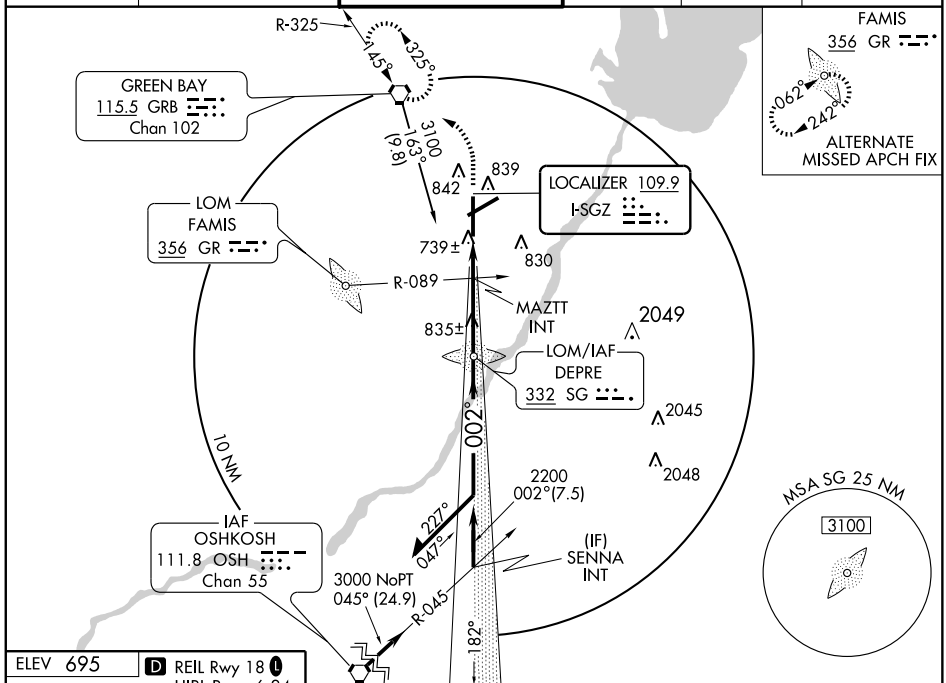
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

NA ASR — For inoperative MALSR, increase S-LOC 36 MAZTT fix minimums Cat D visibility to RVR 5000. ** RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR

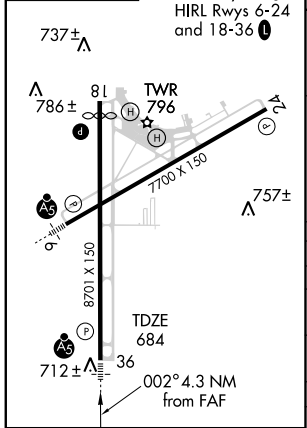
MISSED APPROACH: Climb to 1400 then climbing left turn to 2500 direct GRB VORTAC and hold.

ATIS	GREEN BAY APP CON ★		GREEN BAY TOWER ★		GND CON	CLNC DEL	UNICOM
124.1	119.4	338.2	118.7 (CTAF) L	257.8	121.9	121.75	122.95

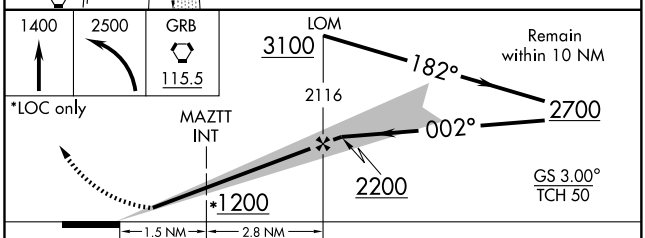


ELEV 695

D REIL Rwy 18 L
HIRL Rwys 6-24 and 18-36 L



FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26



CATEGORY	A	B	C	D
S-ILS 36	**884/24 200 (200-½)			
S-LOC 36	1200/24 516 (600-½)		1200/50 516 (600-1)	1200/60 516 (600-1¼)
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)
MAZTT FIX MINIMUMS				
S-LOC 36	980/24 296 (300-½)			980/40 296 (300-¾)
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

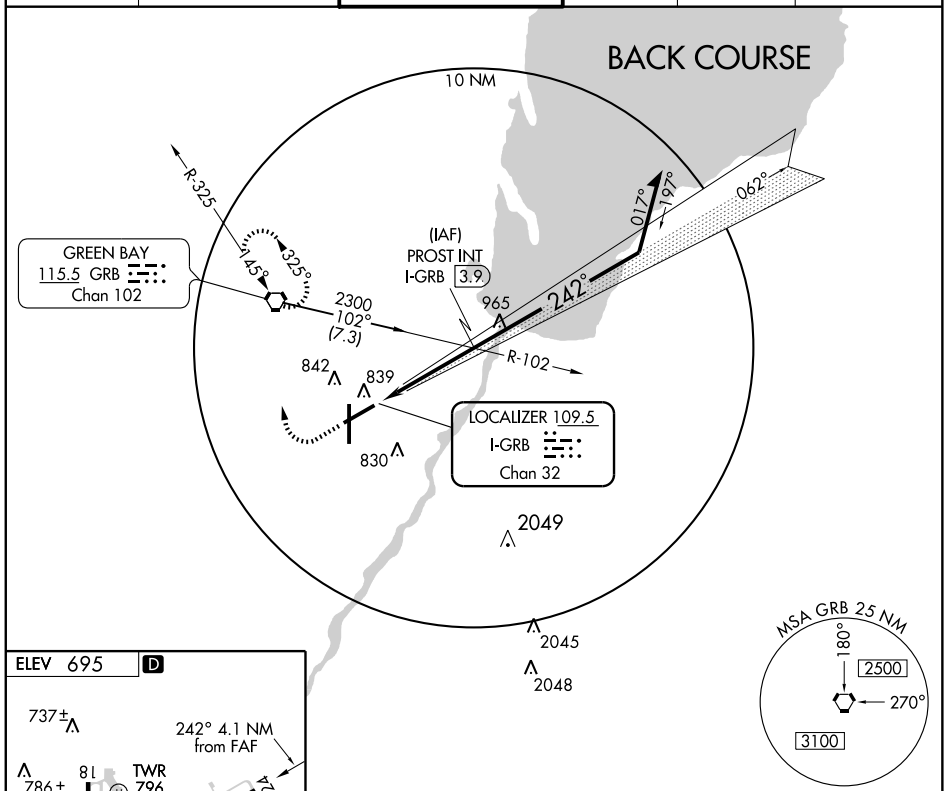
LOC/DME I-GRB 109.5 Chan 32	APP CRS 242°	Rwy ldg 7700 TDZE 682 Apt Elev 695

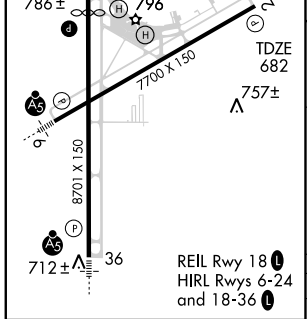
LOC BC RWY 24
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

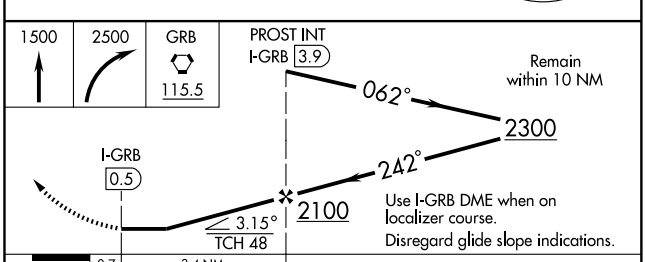
T A ASR

MISSED APPROACH: Climb to 1500 then climbing right turn to 2500 direct GRB VORTAC and hold.

ATIS	GREEN BAY APP CON ★	GREEN BAY TOWER ★	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) L 257.8	121.9	121.75	122.95







FAF to MAP 3.4 NM

Knots	60	90	120	150	180
Min:Sec	3:24	2:16	1:42	1:21	1:08

CATEGORY	A	B	C	D
S-24	1100-1 418 (500-1)		1100-1¼ 418 (500-1¼)	
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 63015 W06A	APP CRS 062°	Rwy ldg 7700 TDZE 692 Apt Elev 695

RNAV (GPS) RWY 6

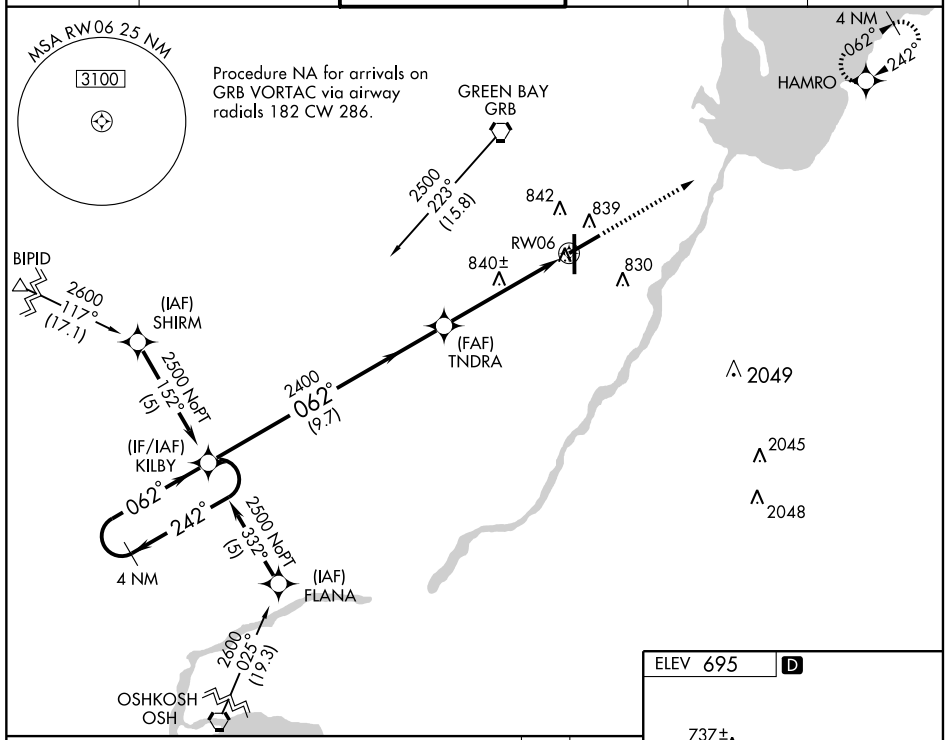
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

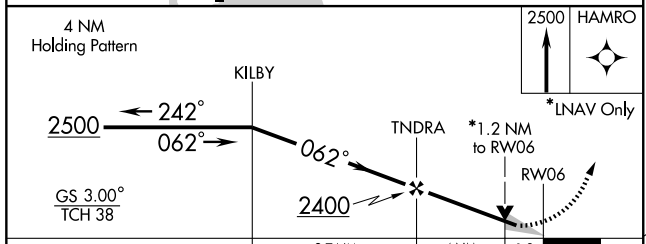
ASR: For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. For inoperative MALSR, increase LNAV/VNAV Cat D visibility to RVR 5000 and LNAV Cat D visibility to RVR 6000.

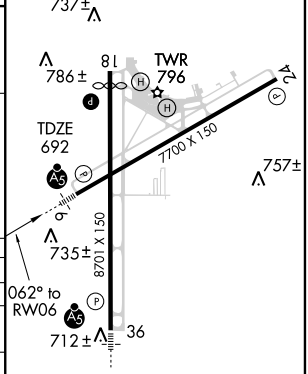
MALSR

MISSED APPROACH: Climb to 2500 direct HAMRO and hold.

ATIS	GREEN BAY APP CON★	GREEN BAY TOWER ★	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) L 257.8	121.9	121.75	122.95







CATEGORY	A	B	C	D
LPV DA	892/24 200 (200-½)			
LNAV/VNAV DA	1000/24 308 (400-½)			1000/40 308 (400-¾)
LNAV MDA	1100/24 408 (500-½)			1100/50 408 (500-1)
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 42802 W18A	APP CRS 182°	Rwy ldg 8202 TDZE 695 Apt Elev 695

RNAV (GPS) RWY 18

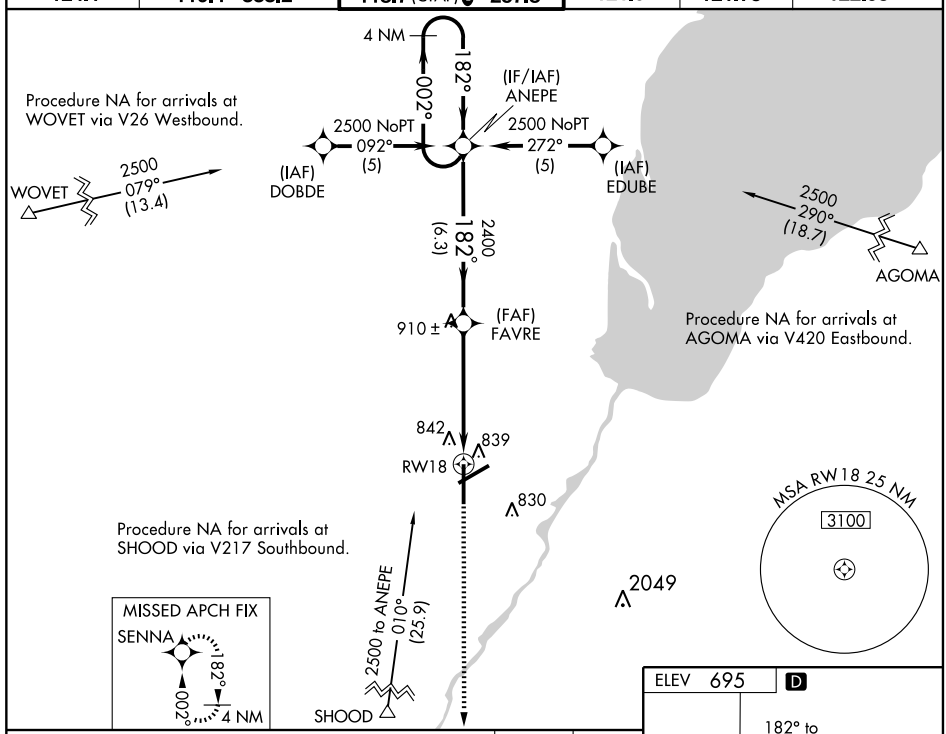
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

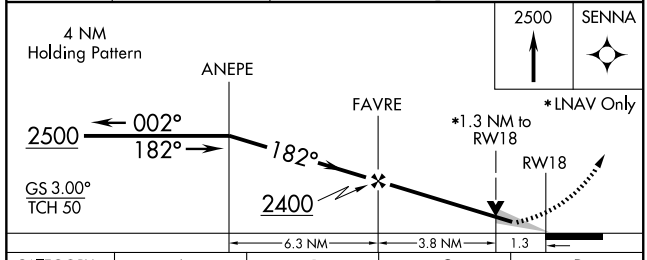
ASR

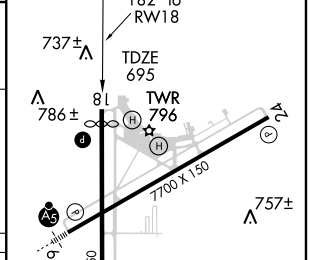
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 47° C (117° F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2500 direct SENNA and hold.

ATIS	GREEN BAY APP CON★		GREEN BAY TOWER★		GND CON	CLNC DEL	UNICOM
124.1	119.4	338.2	118.7 (CTAF) L	257.8	121.9	121.75	122.95







CATEGORY	A	B	C	D
LPV DA	945-¾ 250 (300-¾)			
LNAV/VNAV DA	1187-1¾ 492 (500-1¾)			
LNAV MDA	1160-1 465 (500-1)		1160-1¼ 465 (500-1¼)	1160-1½ 465 (500-1½)
CIRCLING	1200-1¾ 505 (600-1¾)			1260-2 565 (600-2)

REIL Rwy 18 L

HIRL Rwys 6-24 and 18-36 L

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 99515 W24A	APP CRS 242°	Rwy ldg 7700 TDZE 681 Apt Elev 695

RNAV (GPS) RWY 24

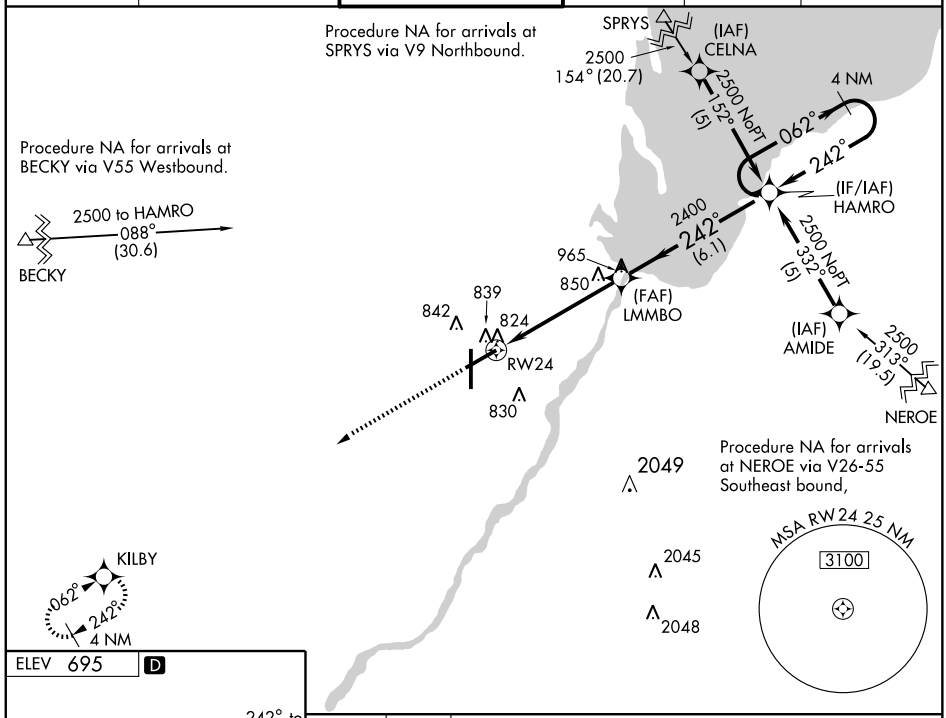
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

ASR

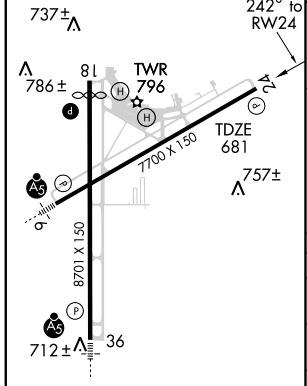
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 47°C (116°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2500 direct KILBY and hold.

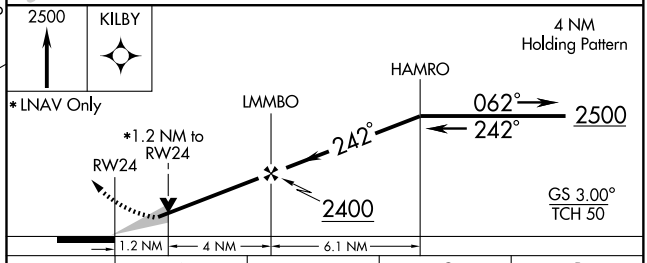
ATIS	GREEN BAY APP CON ★	GREEN BAY TOWER ★	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) L 257.8	121.9	121.75	122.95



ELEV 695 D



REIL Rwy 18 L
HIRL Rwys 6-24 and 18-36 L



CATEGORY	A	B	C	D
LPV DA	970-1 289 (300-1)			
LNAV/VNAV DA	1143-1½ 462 (500-1½)			
LNAV MDA	1100-1 419 (500-1)		1100-1¼ 419 (500-1¼)	
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 42902 W36A	APP CRS 002°	Rwy ldg 8701 TDZE 684 Apt Elev 695

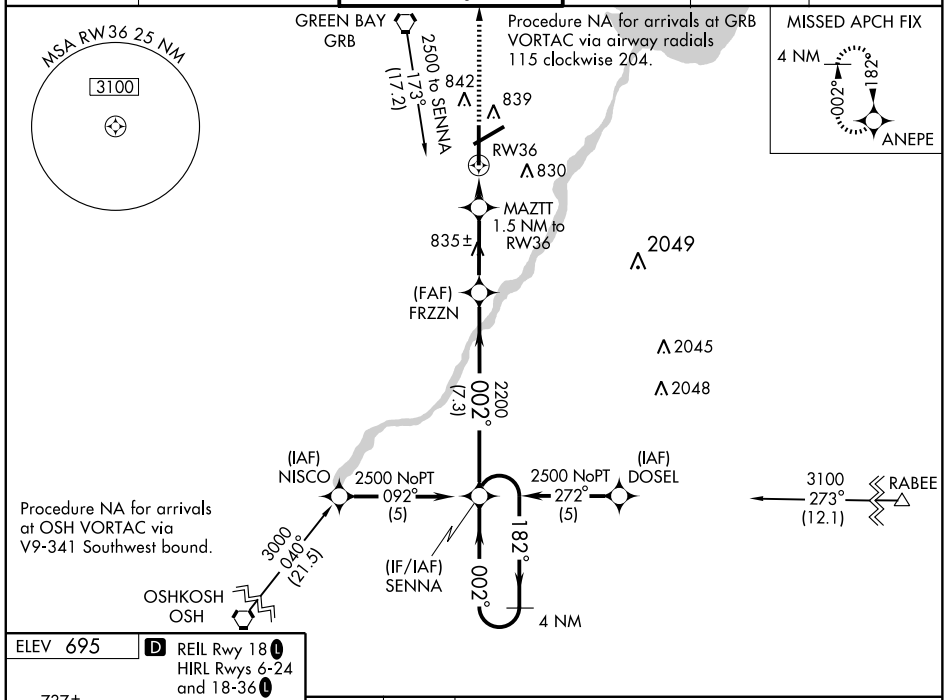
RNAV (GPS) RWY 36
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

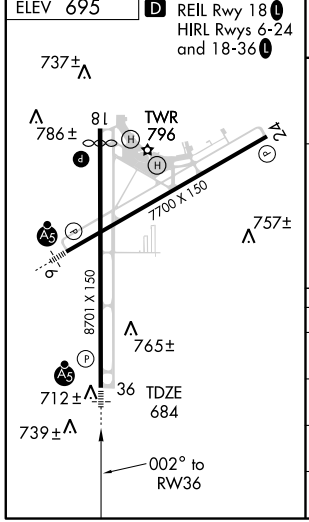
ASR: For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Inoperative table does not apply to LNAV Cat. D.

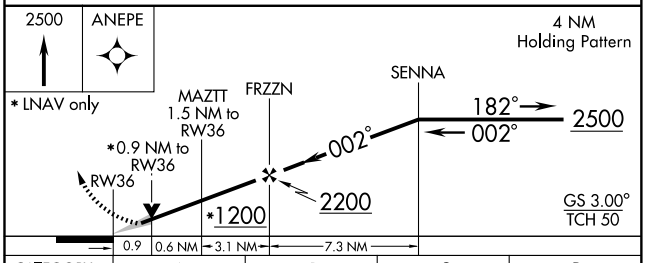
MALSR

MISSED APPROACH: Climb to 2500 direct ANEPE and hold.

ATIS	GREEN BAY APP CON★	GREEN BAY TOWER★	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) L 257.8	121.9	121.75	122.95







CATEGORY	A	B	C	D
LPV DA	884/24 200 (200-½)			
LNAV/VNAV DA	1097/50 413 (500-1)			
LNAV MDA	1020/24 336 (400-½)			1020/50 336 (400-1)
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC GRB 115.5 Chan 102	APP CRS 145°	Rwy ldg N/A TDZE N/A Arpt Elev 695

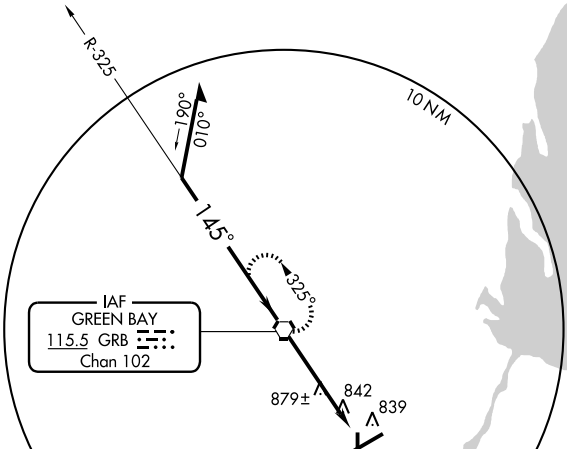
VOR-A

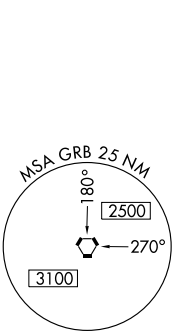
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

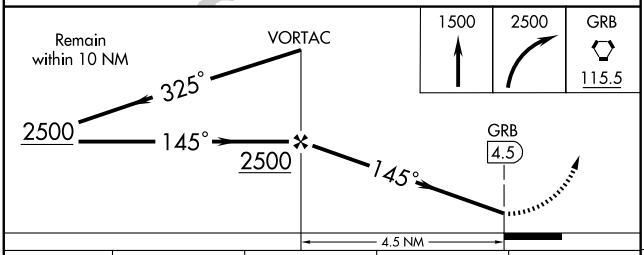
ASR

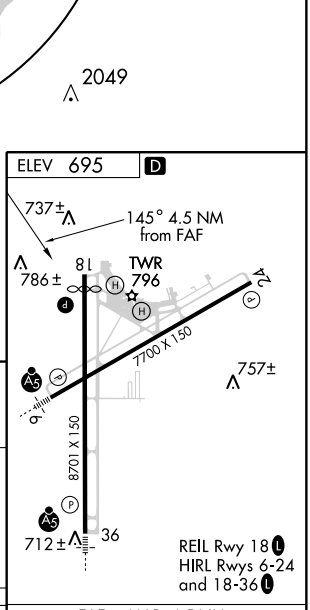
MISSED APPROACH: Climb to 1500 then climbing right turn to 2500 direct GRB VORTAC and hold.

ATIS	GREEN BAY APP CON ★	GREEN BAY TOWER ★	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) L 257.8	121.9	121.75	122.95









CATEGORY	A	B	C	D
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

EC-3, 14 JAN 2010 to 11 FEB 2010

GREEN BAY, WISCONSIN

AL-873 (FAA)

VORTAC GRB	APP CRS	Rwy ldg	8701
115.5	333°	TDZE	684
Chan 102		Apt Elev	695

VOR/DME or TACAN RWY 36

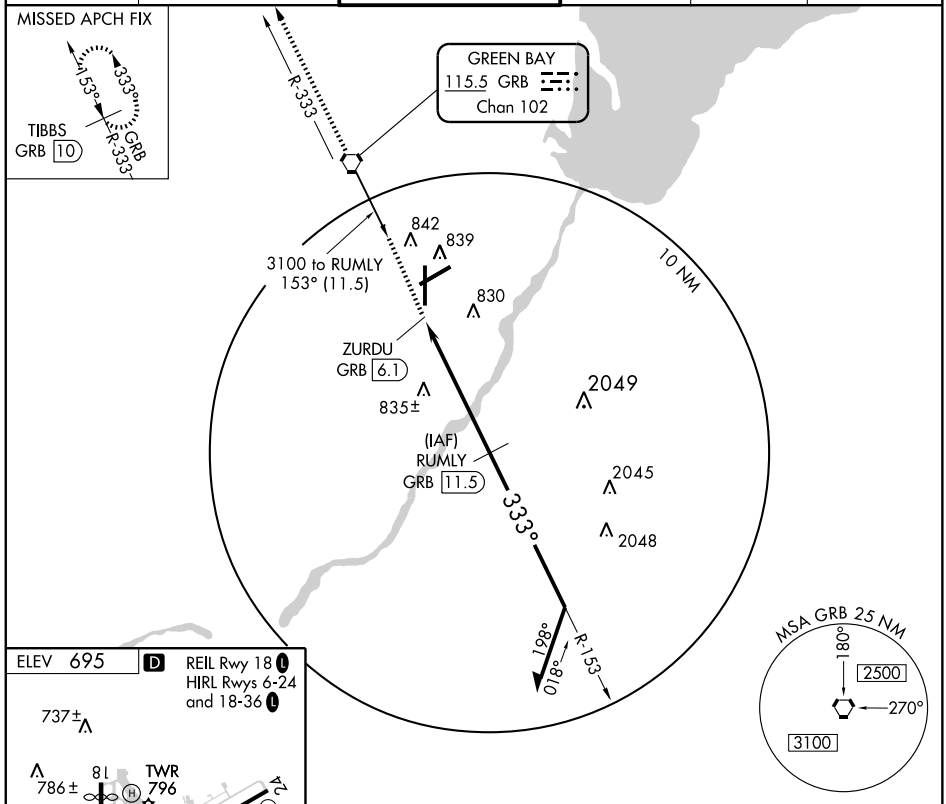
GREEN BAY/AUSTIN STRAUBEL INTL (GRB)

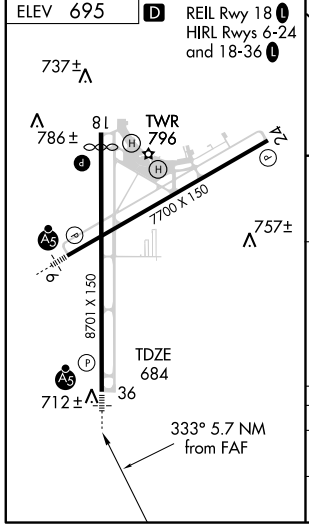
ASR: Inoperative table does not apply.

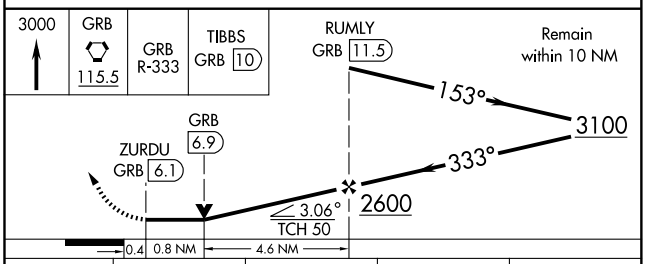
MALSR

MISSED APPROACH: Climb to 3000 direct GRB VORTAC then via GRB VORTAC R-333 to TIBBS/GRB 10 DME and hold.

ATIS	GREEN BAY APP CON ★	GREEN BAY TOWER ★	GND CON	CLNC DEL	UNICOM
124.1	119.4 338.2	118.7 (CTAF) (L) 257.8	121.9	121.75	122.95







CATEGORY	A	B	C	D
S-36	1100/50 416 (500-1)			
CIRCLING	1200-1 505 (600-1)		1200-1½ 505 (600-1½)	1260-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

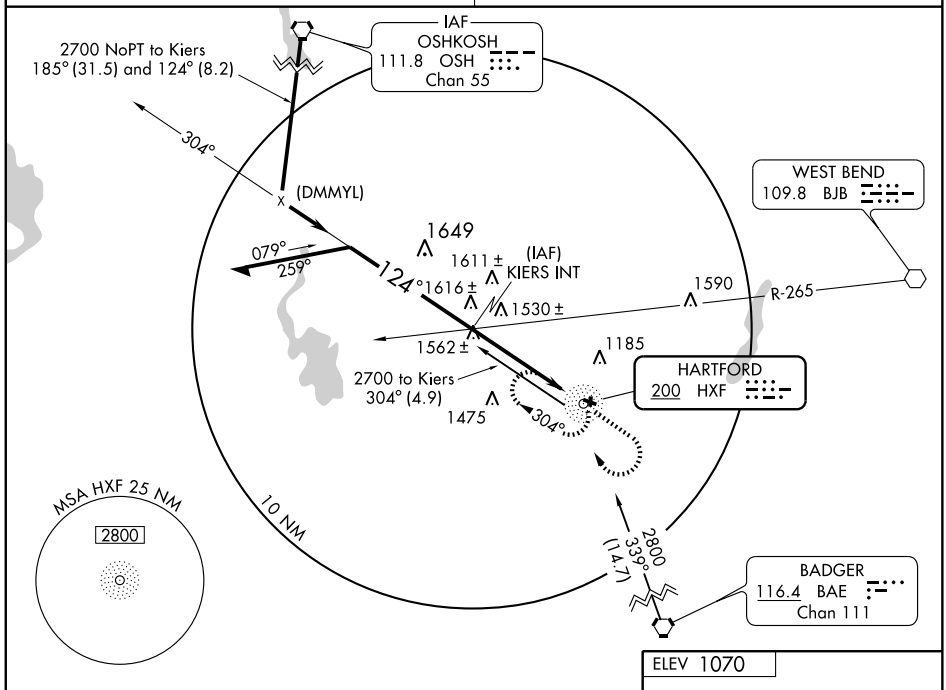
NDB HXF	APP CRS	Rwy ldg	3000
200	124°	TDZE	1050
		Apt Elev	1070

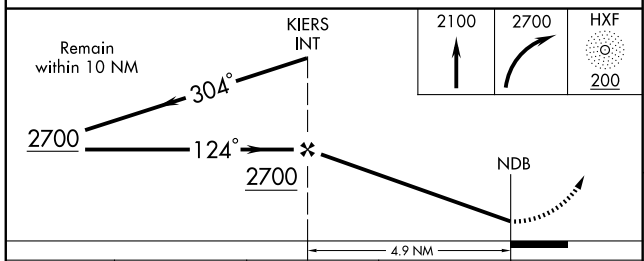
NDB or GPS RWY 11
HARTFORD MUNI (HXF)

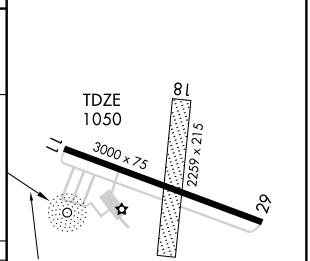
NA Obtain West Bend altimeter setting on CTAF 122.8; when not received, use Milwaukee (General Mitchell) altimeter setting.

MISSED APPROACH: Climb to 2100 then climbing right turn to 2700 direct HXF NDB and hold.

MILWAUKEE APP CON	UNICOM
125.35 307.0	123.0 (CTAF)







CATEGORY	A	B	C	D
S-11	1680-1 630 (700-1)		1680-1¾ 630 (700-1¾)	NA
CIRCLING	1680-1 610 (700-1)		1680-1¾ 610 (700-1¾)	NA
MILWAUKEE (GENERAL MITCHELL) ALTIMETER SETTING MINIMUMS				
S-11	1780-1 730 (800-1)		1780-2 730 (800-2)	NA
CIRCLING	1780-1 710 (800-1)		1780-2 710 (800-2)	NA

MIRL Rwy 11-29

EC-3. 14 JAN 2010 to 11 FEB 2010

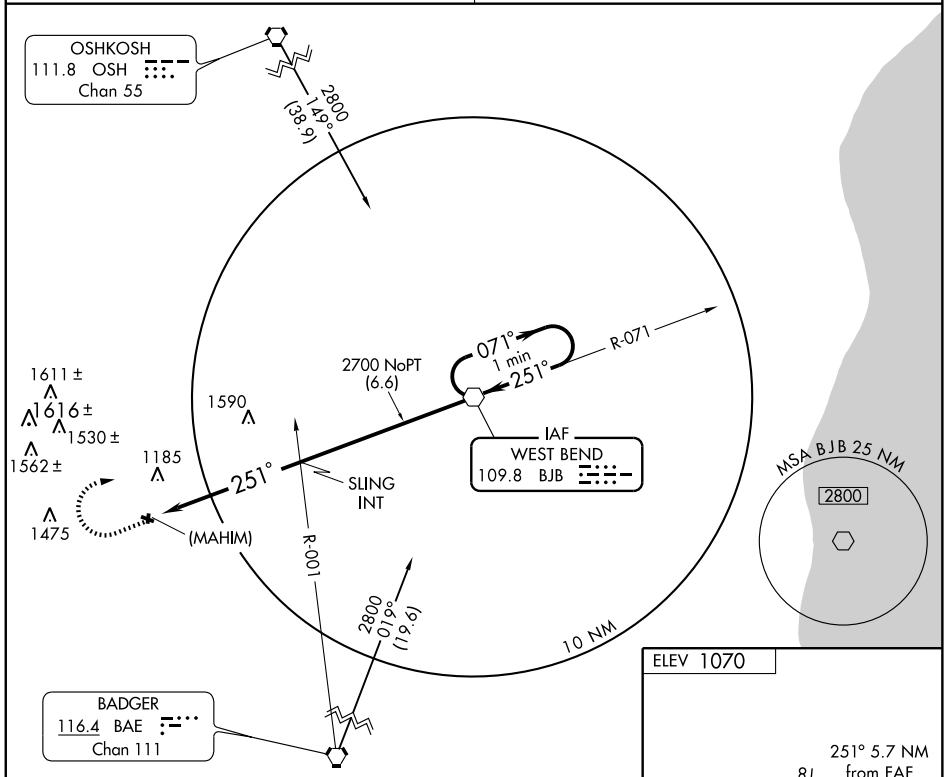
VOR BJB	APP CRS	Rwy ldg	N/A
109.8	251°	TDZE	N/A
		Apt Elev	1070

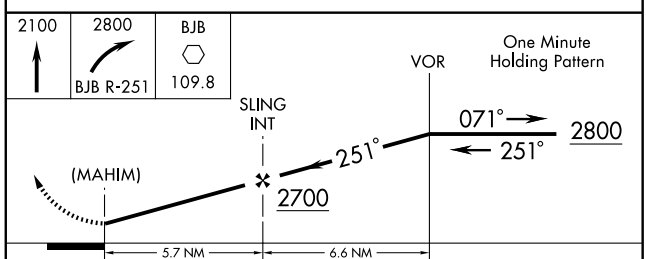
VOR or GPS-A
HARTFORD MUNI (HXF)

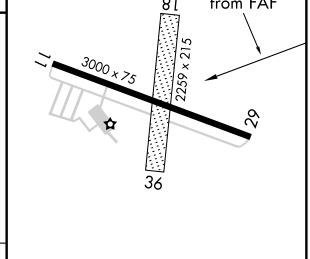
NA Obtain West Bend altimeter setting on CTAF 122.8; when not received, use Milwaukee (General Mitchell) altimeter setting.

MISSED APPROACH: Climb to 2100 then climbing right turn to 2800 via BJB R-251 direct BJB VOR and hold.

MILWAUKEE APP CON	UNICOM
125.35 307.0	123.0 (CTAF)







MIRL Rwy 11-29

CATEGORY	A	B	C	D
CIRCLING	1600-1 530 (600-1)		1600-1½ 530 (600-1½)	NA
MILWAUKEE (GENERAL MITCHELL) ALTIMETER SETTING MINIMUMS				
CIRCLING	1700-1 630 (700-1)		1700-1¾ 630 (700-1¾)	NA

FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

EC-3, 14 JAN 2010 to 11 FEB 2010

HAYWARD, WISCONSIN

AL-5411 (FAA)

LOC/DME RWY 20

HAYWARD/SAWYER COUNTY (HYR)

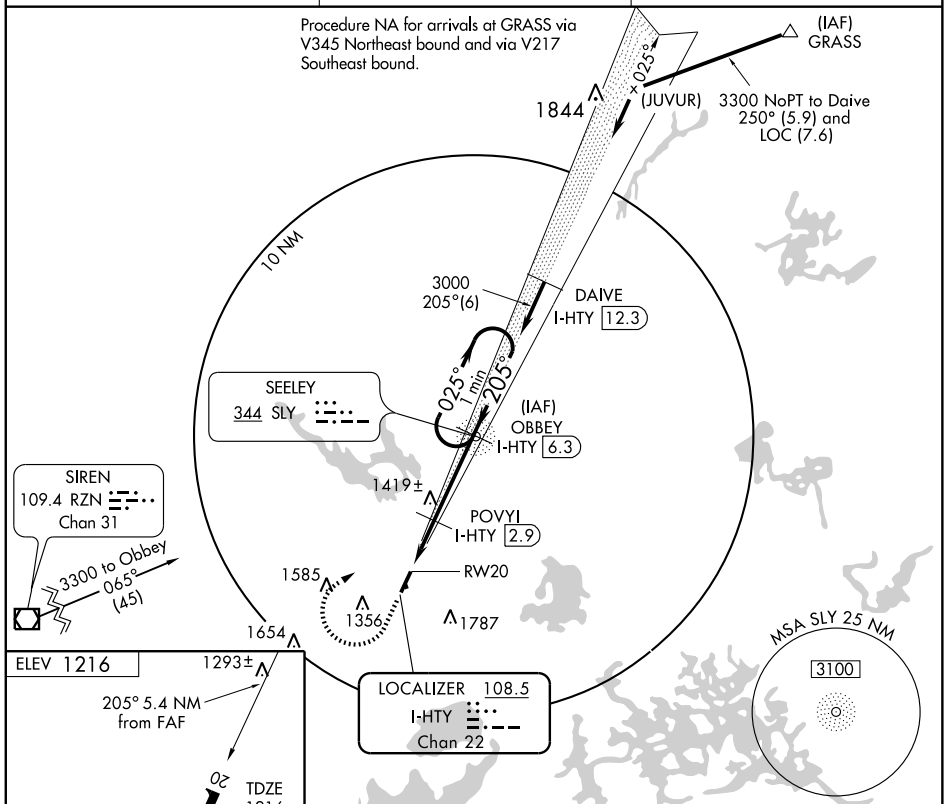
LOC/DME I-HTY	APP CRS	Rwy ldg	5002
108.5	205°	TDZE	1216
Chan 22		Apt Elev	1216

If local altimeter setting not received, use John F. Kennedy Memorial altimeter setting and increase all MDAs 160 feet.

NA

MISSED APPROACH: Climb to 2200 then climbing right turn to 3300 via heading 060° and I-HTY NE course to OBBEY/I-HTY 6.3 DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
113.4	126.45 276.4	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-LOC 20	1560-1 344 (400-1)			1560-1¼ 344 (400-1¼)
CIRCLING	1880-1 664 (700-1)		2000-2¼ 784 (800-2¼)	2120-3 904 (1000-3)

REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 90400 W02A	APP CRS 025°	Rwy ldg 5002 TDZE 1214 Apt Elev 1216

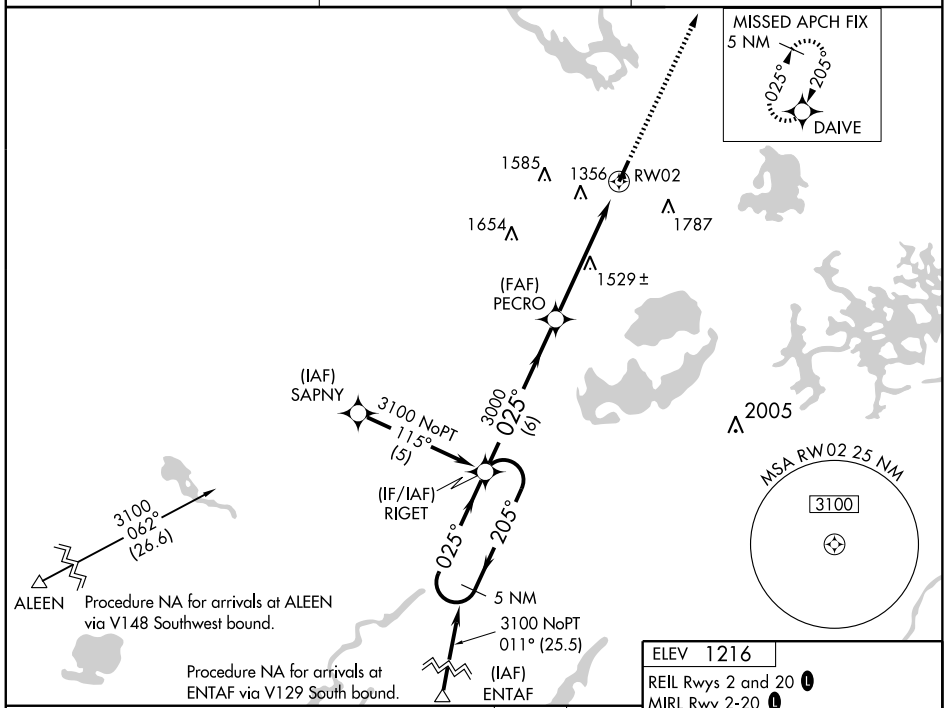
RNAV (GPS) RWY 2

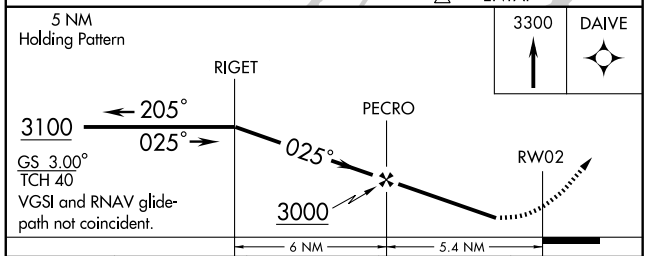
HAYWARD/SAWYER COUNTY (HYR)

Baro-VNAV NA when using John F. Kennedy Memorial altimeter setting. DME/DME RNP-0.3 NA.
If local altimeter setting not received, use John F. Kennedy Memorial altimeter setting and increase all DAs/MDAs 160 feet. Visibility reduction by helicopters NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (116°F).

MISSED APPROACH: Climb to 3300 direct DAIVE and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
113.4	126.45 276.4	122.8 (CTAF) L

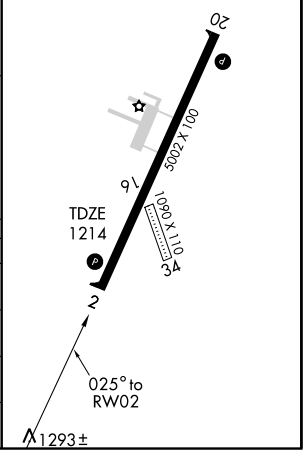




CATEGORY	A	B	C	D
LPV DA	1514-1 300 (300-1)			
LNAV/VNAV DA	1558-1¼ 344 (400-1¼)			
LNAV MDA	1780-1 566 (600-1)		1780-1½ 566 (600-1½)	1780-1¾ 566 (600-1¾)
CIRCLING	1880-1¼ 664 (700-1¼)		2000-2¼ 784 (800-2¼)	2120-3 904 (1000-3)

ELEV 1216

REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L



EC-3, 14 JAN 2010 to 11 FEB 2010

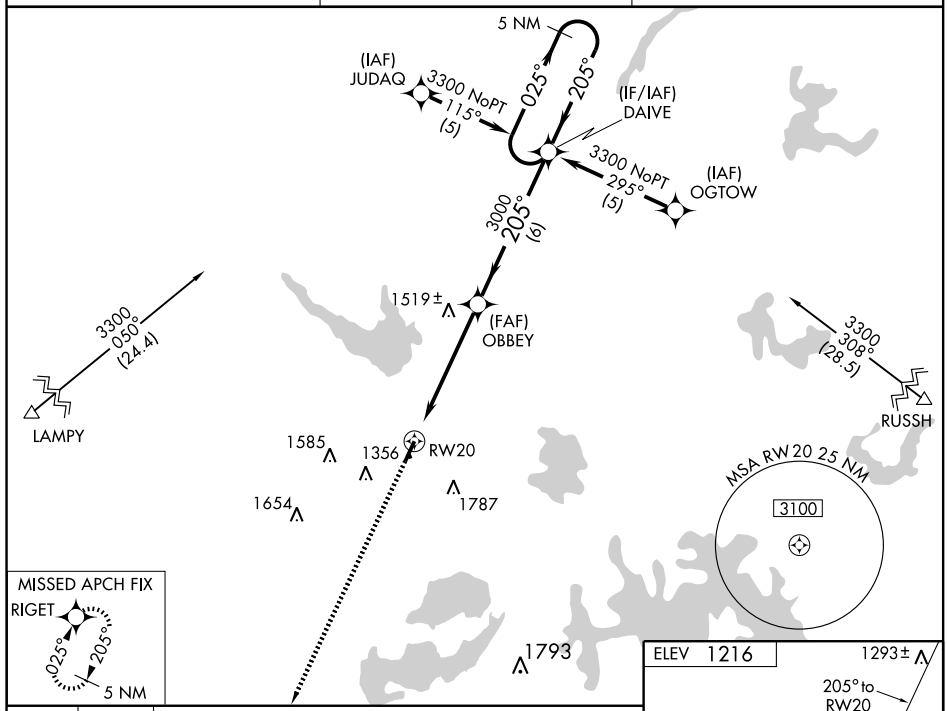
WAAS CH 49000 W20A	APP CRS 205°	Rwy ldg 5002 TDZE 1216 Apt Elev 1216

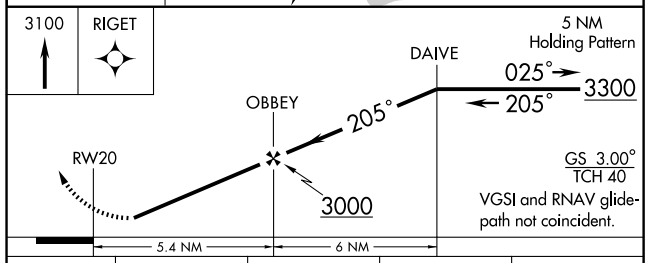
RNAV (GPS) RWY 20
HAYWARD/SAWYER COUNTY (HYR)

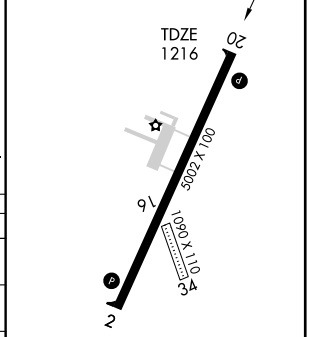
Baro-VNAV NA when using John F. Kennedy Memorial altimeter setting. If local altimeter setting not received, use John F. Kennedy Memorial altimeter setting and increase all DAs/MDAs 160 feet. Visibility reduction by helicopters NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (116°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3100 direct RIGET and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
113.4	126.45 276.4	122.8 (CTAF) L





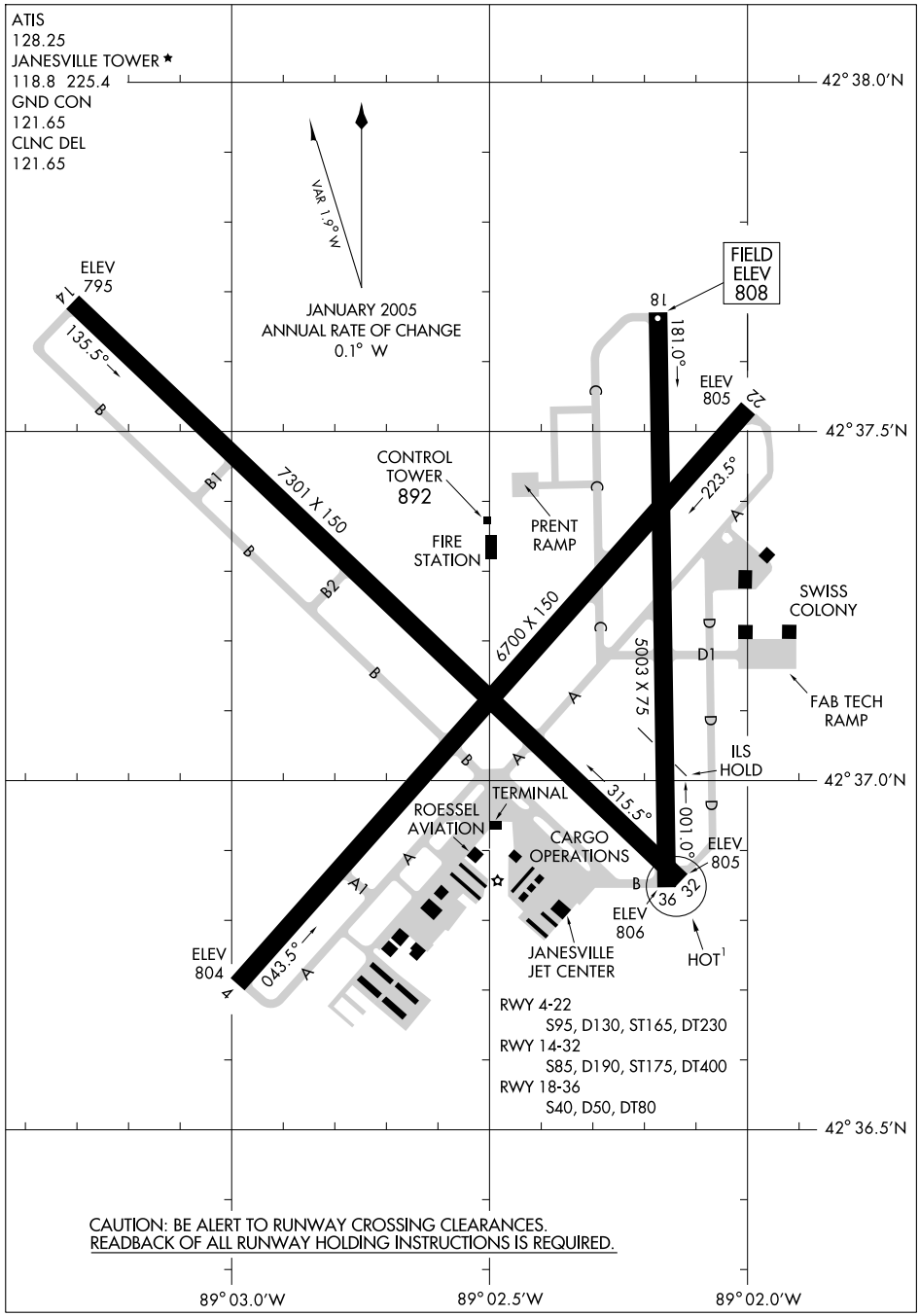


CATEGORY	A	B	C	D
LPV DA	1511-1 295 (300-1)			
LNAV/VNAV DA	1750-2 534 (600-2)			
LNAV MDA	1780-1 564 (600-1)		1780-1½ 564 (600-1½)	1780-1¾ 564 (600-1¾)
CIRCLING	1880-2 664 (700-2)		2000-2¼ 784 (800-2¼)	2120-3 904 (1000-3)

REIL Rwys 2 and 20 L
MIRL Rwy 2-20 L

AIRPORT DIAGRAM

JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)
AL-938 (FAA)
JANESVILLE, WISCONSIN



EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-JVL	APP CRS	Rwy ldg	6700
109.1	044°	TDZE	805
		Apt Elev	808

ILS or LOC RWY 4

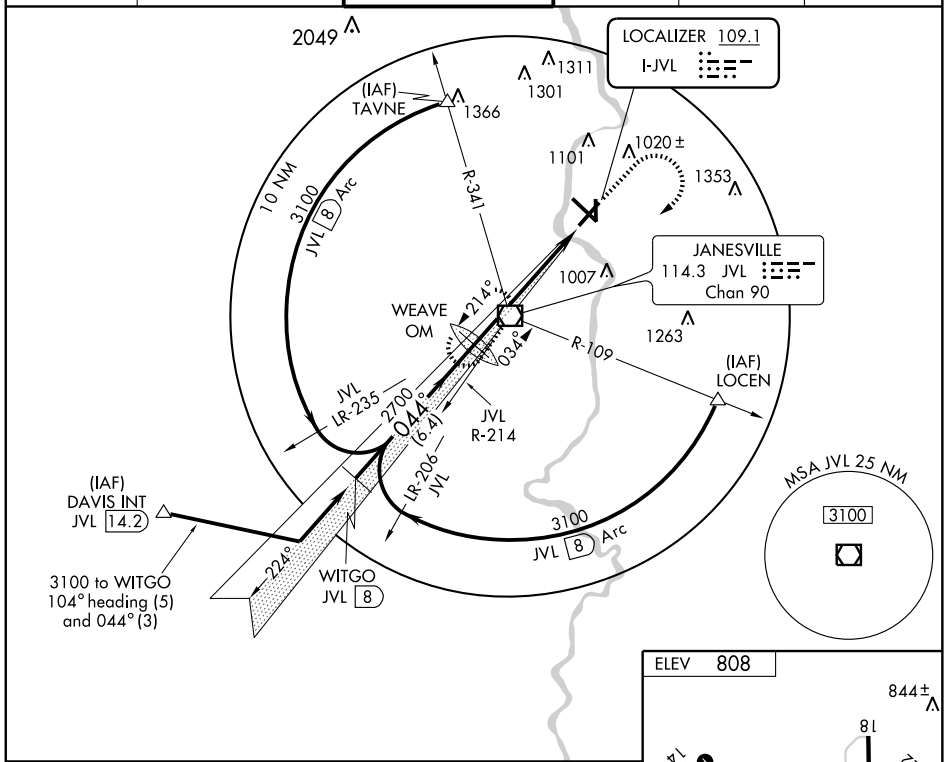
JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

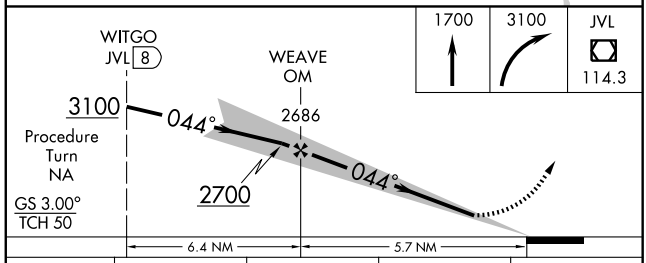
When control tower closed, obtain local altimeter setting on UNICOM; when not received use Rockford altimeter setting and increase all DH/MDA's 80 feet. Circling not authorized at night to Rwy 18.

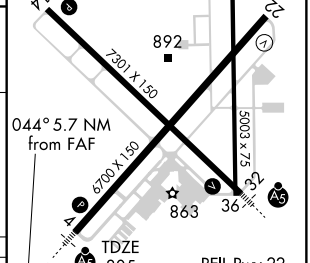
MALSR

MISSED APPROACH: Climb to 1700 then climbing right turn to 3100 direct JVL VOR/DME and hold.

ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8(CTAF) L 225.4	121.65	121.65	122.95







REIL Rwy 22
REIL Rwy 14 L
MIRL Rwy 18-36 L
HIRL Rwys 4-22 and 14-32 L

CATEGORY	A	B	C	D
S-ILS 4	1005-½ 200 (200-½)			
S-LOC 4	1300-½ 495 (500-½)		1300-¾ 495 (500-¾)	1300-1 495 (500-1)
CIRCLING	1300-1 492 (500-1)		1300-1½ 492 (500-1½)	1420-2 612 (700-2)

FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-REE	APP CRS	Rwy ldg	7301
111.35	316°	TDZE	806
Chan 50 (Y)		Apt Elev	808

ILS or LOC RWY 32

JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

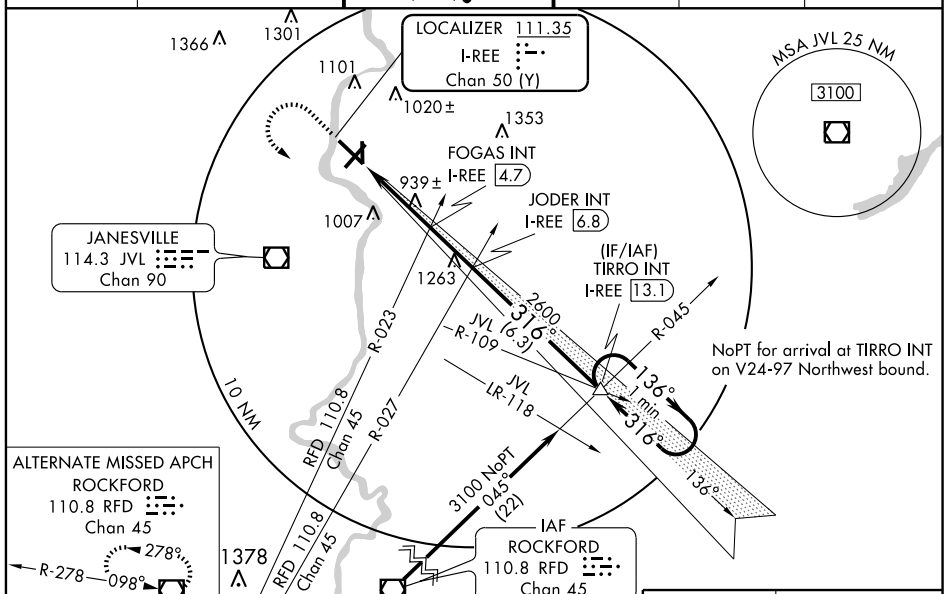
When local altimeter setting not received, use Rockford Intl altimeter setting; increase DA to 1075, increase all MDAs 80 feet, increase FOGAS FIX minimums S-LOC 32 Cat. D and circling Cat. D visibility ¼ mile. VDP NA when using Rockford Intl altimeter setting.

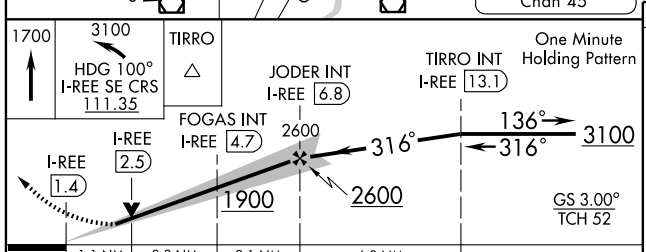
For inoperative MALSRs, increase FOGAS FIX minimums S-LOC 32, Cats. A, B, and C to 1 mile. Inoperative table does not apply to S-ILS-32. Circling to Rwy 18 NA at night.

MALSR A5

MISSED APPROACH: Climb to 1700 then climbing left turn to 3100 via heading 100° and I-REE SE course to TIRRO INT/13.1 DME and hold.

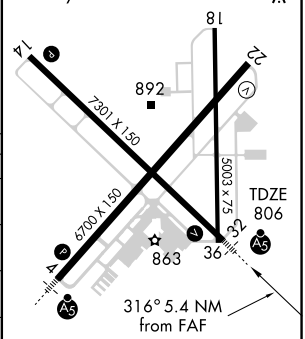
ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95





ELEV 808

HIRL Rwys 4-22 and 14-32 L
MIRL Rwy 18-36 L
REIL Rwy 14 L
REIL Rwy 22



CATEGORY	A	B	C	D
S-ILS 32	1006-¾ 200 (200-¾)			
S-LOC 32	1900-¾ 1094 (1100-¾)	1900-1 1094 (1100-1)	1900-2½ 1094 (1100-2½)	
CIRCLING	1900-1¼ 1092 (1100-1¼)	1900-1½ 1092 (1100-1½)	1900-3 1092 (1100-3)	
FOGAS FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)				
S-LOC 32	1200-¾ 394 (400-¾)			
CIRCLING	1260-1 452 (500-1)		1280-1½ 472 (500-1½)	1420-2 612 (700-2)

FAF to MAP 5.4 NM

Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6700
043°	TDZE	805
	Apt Elev	808

RNAV (GPS) RWY 4

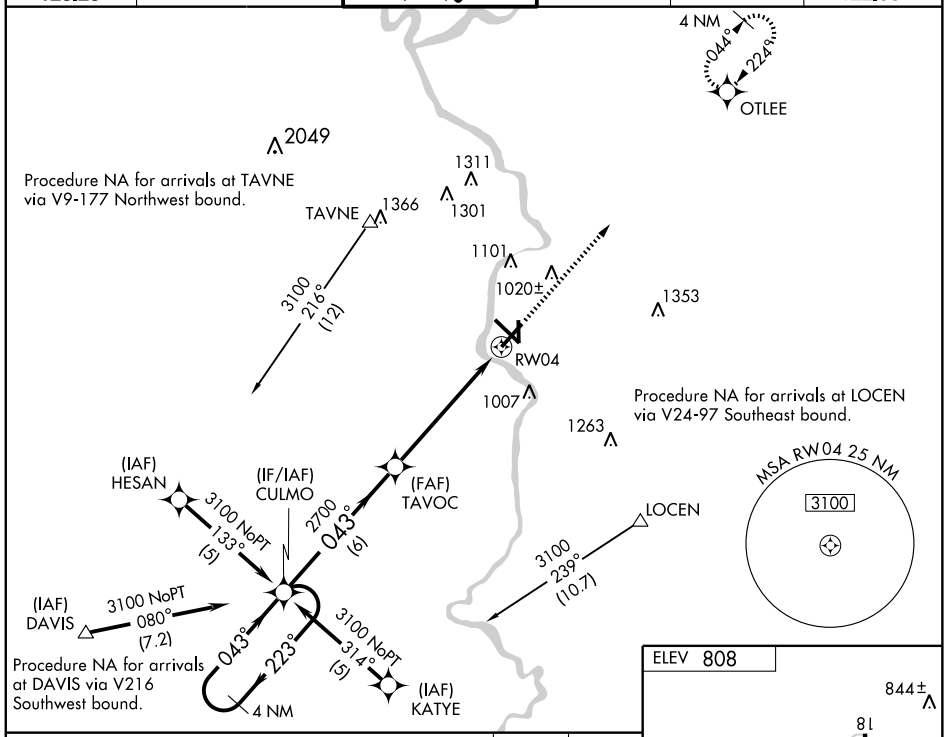
JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

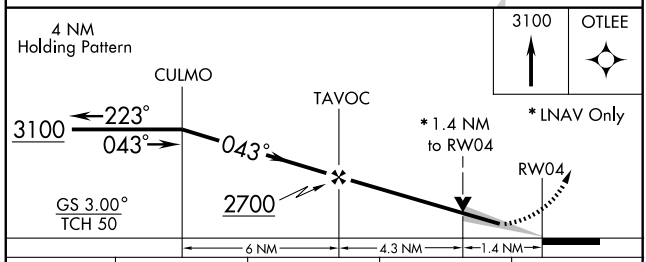
Baro-VNAV NA below -17°C (3°F). DME/DME RNP-0.3 NA.
Baro-VNAV and VDP NA with Rockford altimeter setting.Circling not authorized NA at night to Rwy 18. When control tower closed, obtain local altimeter setting on UNICOM; when not received use Rockford altimeter setting and increase all DA/MDAs 80 feet. GPS or RNP-0.3 Required.

MALSR

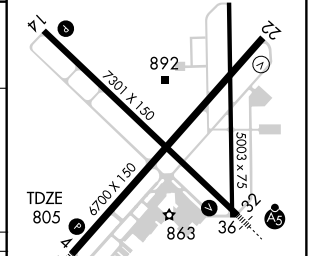
MISSED APPROACH: Climb to 3100 direct OTLEE WP and hold.

ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1080-½ 275 (300-½)			1080-¾ 275 (300-¾)
LNAV MDA	1300-½ 495 (500-½)		1300-¾ 495 (500-¾)	1300-1 495 (500-1)
CIRCLING	1300-1 492 (500-1)		1300-1½ 492 (500-1½)	1420-2 612 (700-2)



REIL Rwy 22
REIL Rwy 14 L
MIRL Rwy 18-36 L
HIRL Rwys 4-22 and 14-32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	7301
135°	TDZE	803
	Apt Elev	808

RNAV (GPS) RWY 14

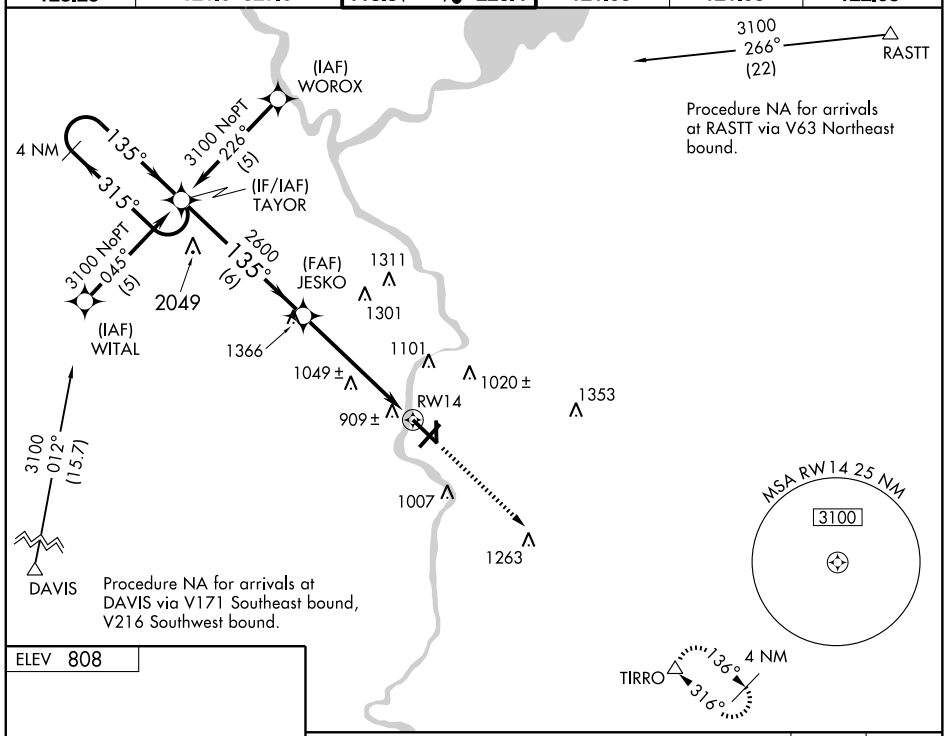
JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

T NA W

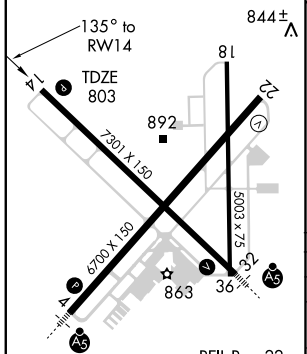
Baro-VNAV NA below -17°C (3°F). DME/DME RNP-0.3 NA.
Baro-VNAV and VDP NA with Rockford altimeter setting.Circling not authorized at night to Rwy 18. When control tower closed, obtain local altimeter setting on UNICOM; when not received use Rockford altimeter setting and increase all DA/MDAs 80 feet. GPS or RNP-0.3 Required.

MISSED APPROACH: Climb to 3100 direct TIRRO WP and hold.

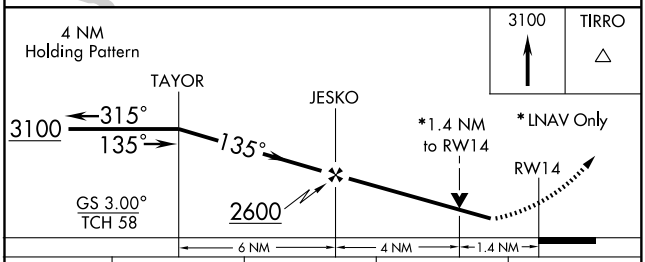
ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95



ELEV 808



REIL Rwy 22
REIL Rwy 14 L
MIRL Rwy 18-36 L
HIRL Rwys 4-22 and 14-32 L



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1200-1½ 397 (400-1½)			
LNAV MDA	1300-1 497 (500- 1)		1300-1¼ 497 (500-1¼)	1300-1½ 497 (500-1½)
CIRCLING	1300-1½ 492 (500-1½)			1420-2 612 (700-2)

APP CRS	Rwy ldg	6700
224°	TDZE	805
	Apt Elev	808

RNAV (GPS) RWY 22

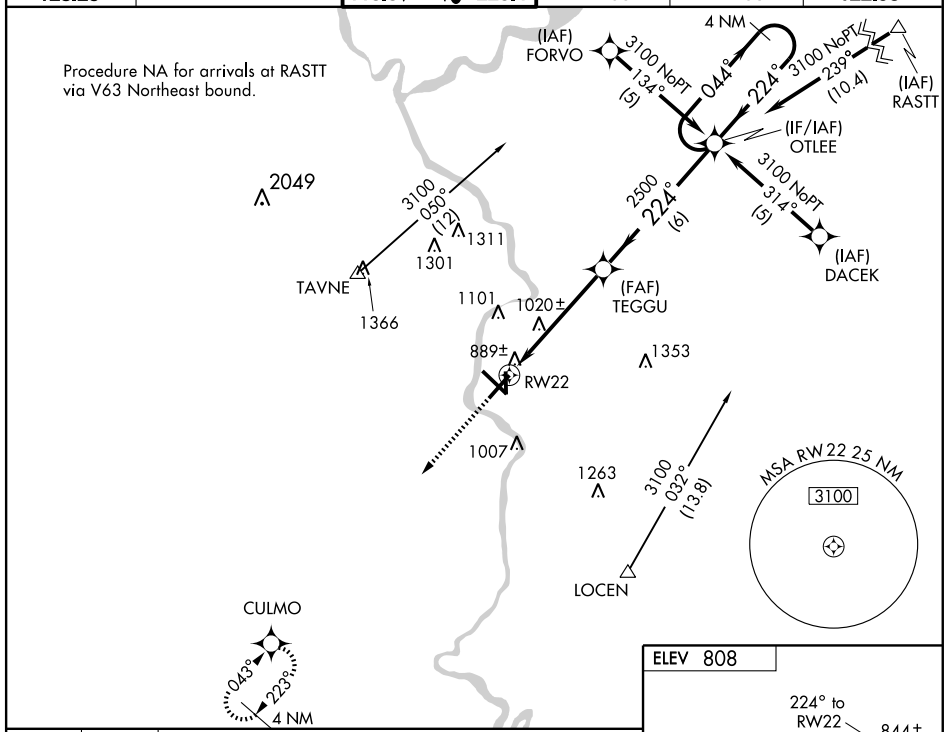
JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

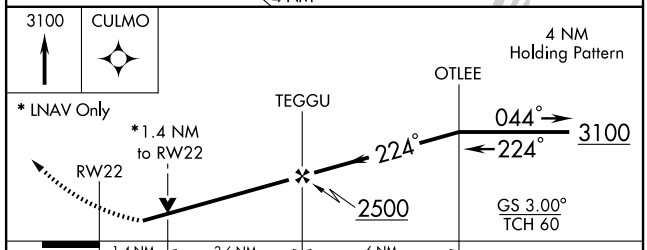
T NA W

Baro-VNAV NA below -17°C (3°F). DME/DME RNP-0.3 NA.
Baro-VNAV and VDP NA with Rockford altimeter setting.Circling not authorized at night to Rwy 18. When control tower closed, obtain local altimeter setting on UNICOM; when not received use Rockford altimeter setting and increase all DA/MDAs 80 feet. GPS or RNP-0.3 Required.

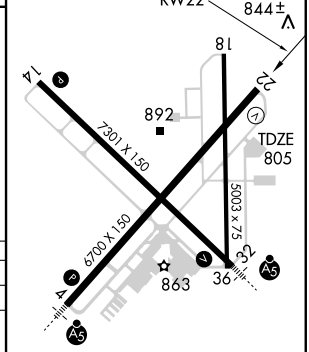
MISSED APPROACH: Climb to 3100 direct CULMO WP and hold.

ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1160-1¼ 355 (400-1¼)			
LNAV MDA	1320-1 515 (600-1)		1320-1½ 515 (600-1½)	1320-1¾ 515 (600-1¾)
CIRCLING	1320-1¼ 512 (600-1¼)		1320-1½ 512 (600-1½)	1420-2 612 (700-2)



APP CRS	Rwy ldg	7301
316°	TDZE	806
	Apt Elev	808

RNAV (GPS) RWY 32

JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

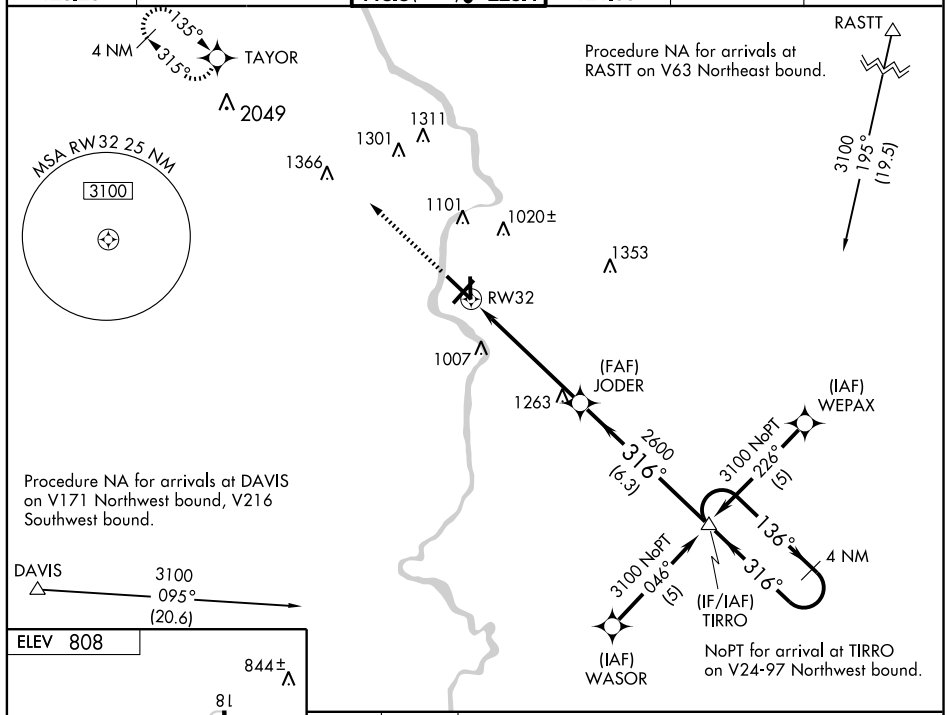
T A NA W

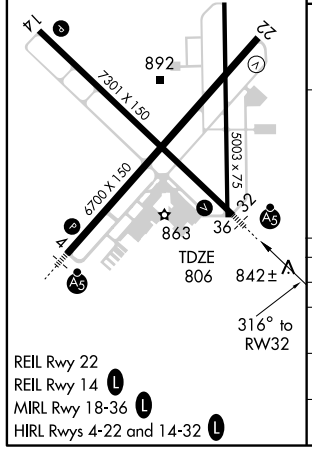
Baro-VNAV NA below -17°C (3°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA with Rockford altimeter setting. GPS or RNP-0.3 Required. Circling not authorized at night to Rwy 18. For inoperative MALSR, increase LNAV/VNAV and LNAV Cat. D visibilities ¼ mile. When control tower closed, obtain local altimeter setting on UNICOM; when not received use Rockford altimeter setting and increase all DA/MDAs 80 feet.

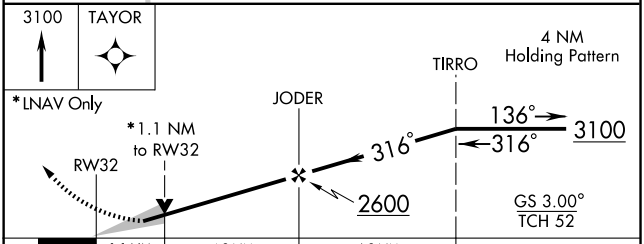
MALSR A5

MISSED APPROACH: Climb to 3100 direct TAYOR WP and hold.

ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95







CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1100-½ 294 (300-½)			1100-¾ 294 (300-¾)
LNAV MDA	1200-½ 394 (400-½)			1200-1 394 (400-1)
CIRCLING	1260-1 452 (500-1)		1280-1½ 472 (500-1½)	1420-2 612 (700-2)

VOR/DME JVL	APP CRS	Rwy ldg	6700
114.3	215°	TDZE	805
Chan 90		Apt Elev	808

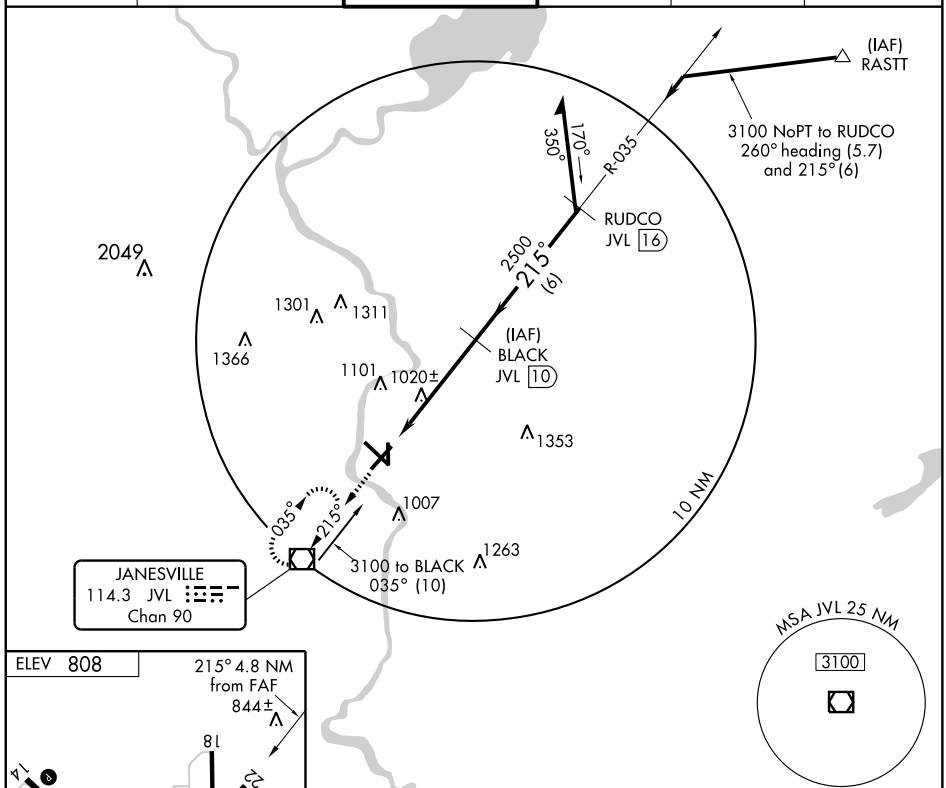
VOR/DME RWY 22

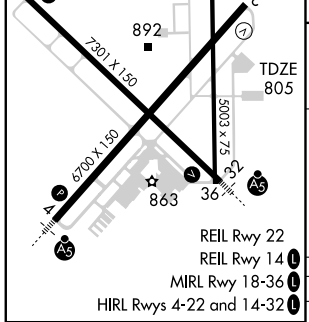
JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

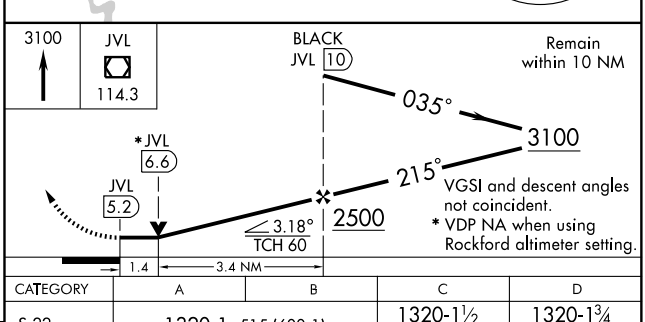
When control tower closed, obtain local altimeter setting on UNICOM; when not received, use Rockford altimeter setting and increase all MDAs 80 feet. Circling not authorized at night to Rwy 18.

MISSED APPROACH: Climb to 3100 direct JVL VOR/DME and hold.

ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-22	1320-1 515 (600-1)		1320-1½ 515 (600-1½)	1320-1¾ 515 (600-1¾)
CIRCLING	1320-1 512 (600-1)		1320-1½ 512 (600-1½)	1420-2 612 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR/DME JVL 114.3 Chan 90	APP CRS 034°	Rwy ldg 6700 TDZE 805 Apt Elev 808

VOR RWY 4

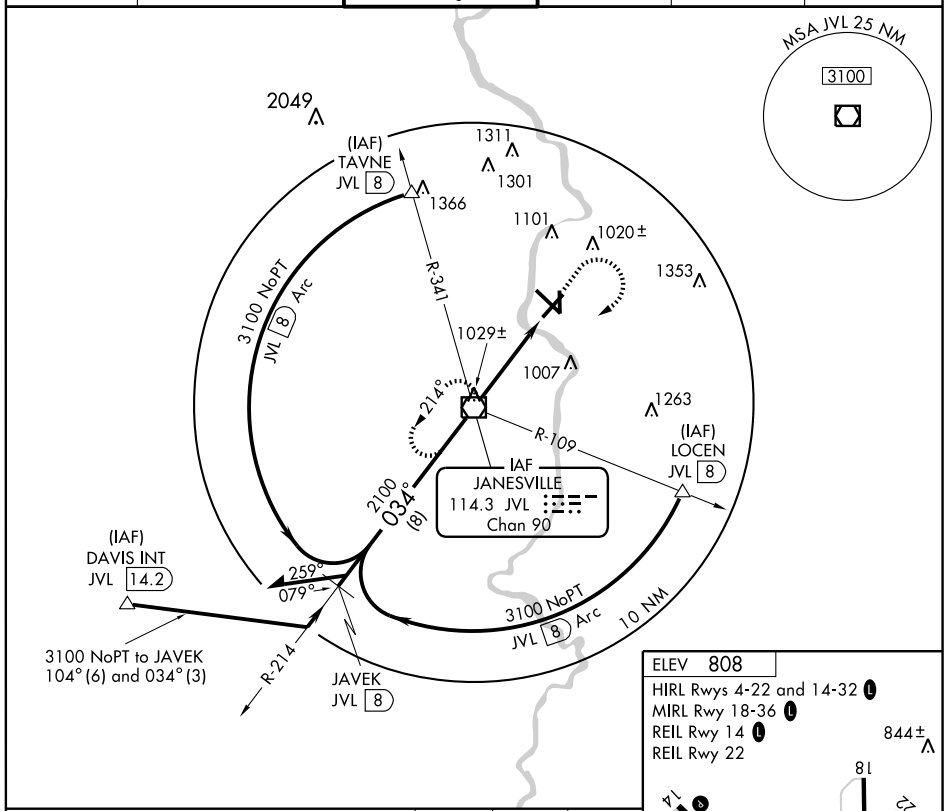
JANESVILLE/SOUTHERN WISCONSIN RGNL (JVL)

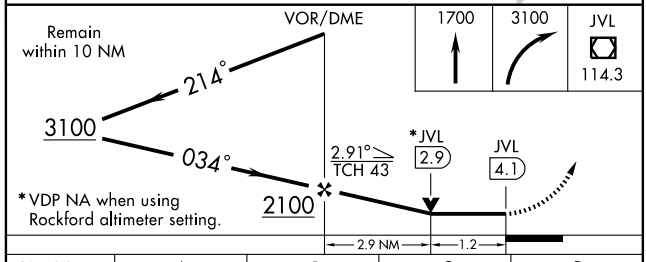
When control tower closed, obtain local altimeter setting on UNICOM; when not received use Rockford altimeter setting and increase all MDAs 80 feet. For inoperative MALSR, increase S-4 Cat. D visibility ¼ mile. Circling not authorized at night to Rwy 18.

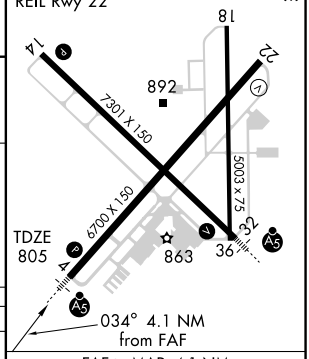
MALSR A5

MISSED APPROACH: Climb to 1700, then climbing right turn to 3100 direct JVL VOR/DME and hold.

ATIS	ROCKFORD APP CON	JANESVILLE TOWER ★	GND CON	CLNC DEL	UNICOM
128.25	121.0 327.0	118.8 (CTAF) L 225.4	121.65	121.65	122.95







CATEGORY	A	B	C	D
S-4	1220-½ 415 (500-½)		1220-¾ 415 (500-¾)	1220-1 415 (500-1)
CIRCLING	1260-1 452 (500-1)		1280-1½ 472 (500-1½)	1420-2 612 (700-2)

FAF to MAP 4.1 NM

Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-JNE	APP CRS	Rwy ldg	5060
109.55	261°	TDZE	934
Chan 32 (Y)		Apt Elev	934

LOC RWY 26

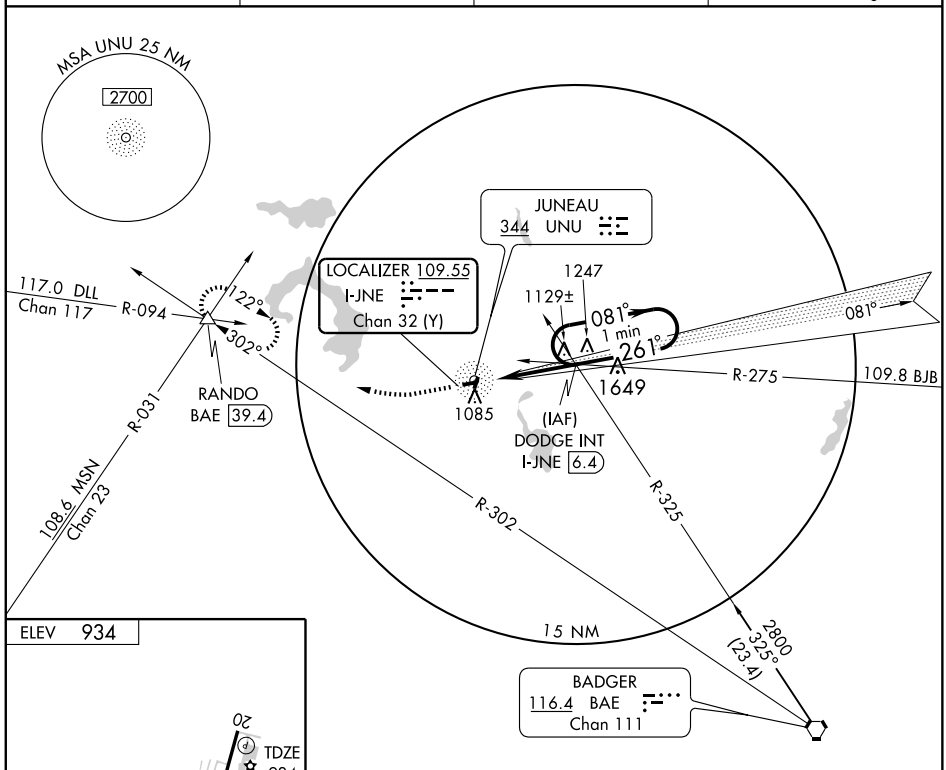
JUNEAU/ DODGE COUNTY (UNU)

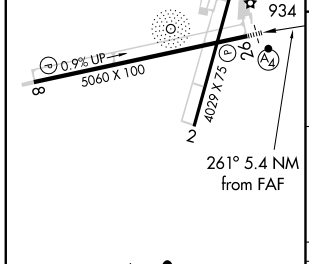
If local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet. Inoperative table does not apply. Visibility reduction by helicopters NA.

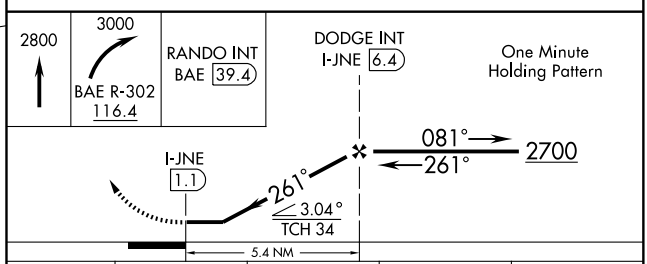
MALSF

MISSED APPROACH: Climb to 2800 then climbing right turn to 3000 via BAE VORTAC R-302 to RANDO Int/BAE 39.4 DME and hold.

AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L







REIL Rwys 2 and 20 L

MIRL Rwys 8-26 and 2-20 L

FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

CATEGORY	A	B	C	D
S-26	1380-1 446 (500-1)		1380-1¼ 446 (500-1¼)	NA
CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB UNU	APP CRS	Rwy ldg	4029
344	010°	TDZE	933
		Apt Elev	934

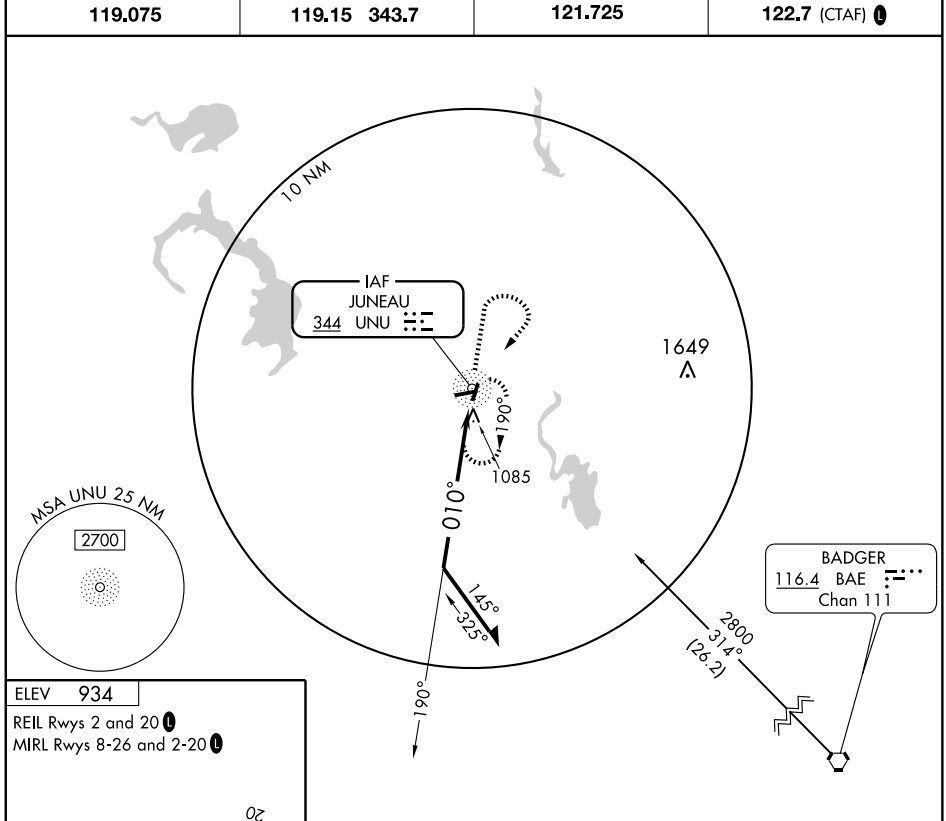
NDB RWY 2

JUNEAU/ DODGE COUNTY (UNU)

If local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2000 then climbing right turn to 2700 direct UNU NDB and hold.

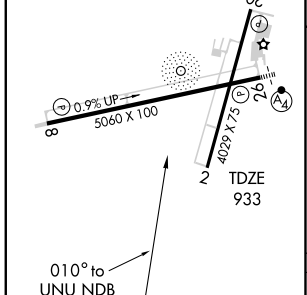
AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L

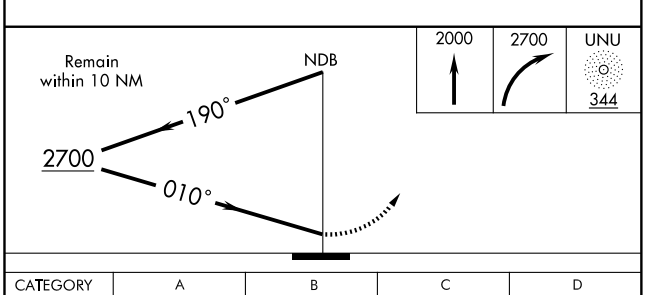


ELEV 934

REIL Rwys 2 and 20 L

MIRL Rwys 8-26 and 2-20 L





Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-2	1500-1 567 (600-1)		1500-1½ 567 (600-1½)	NA
CIRCLING	1500-1 566 (600-1)		1500-1½ 566 (600-1½)	NA

NDB UNU	APP CRS	Rwy ldg	4029
344	209°	TDZE	934
		Apt Elev	934

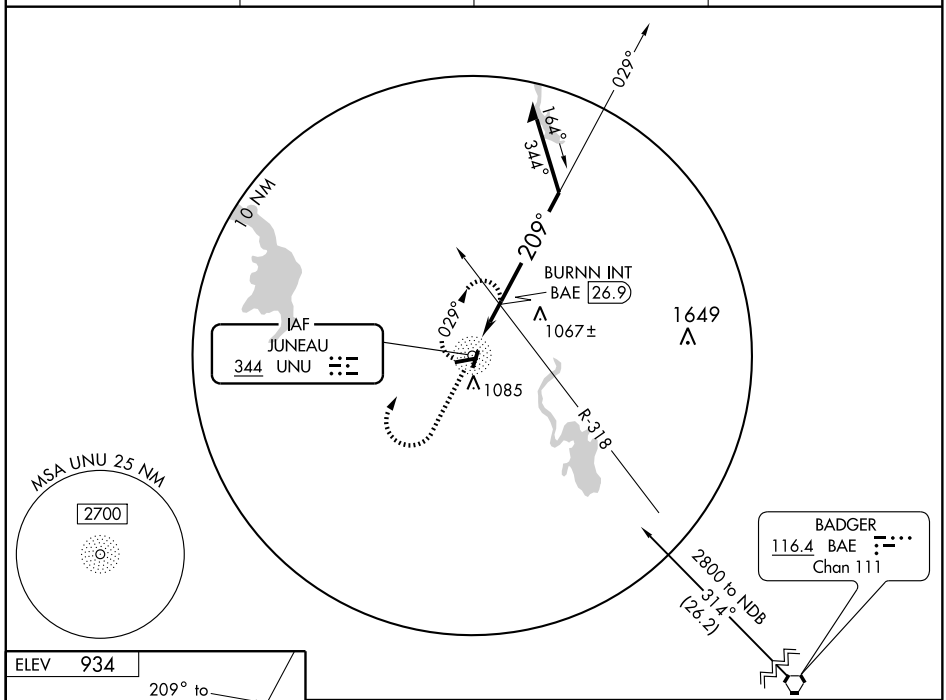
NDB RWY 20

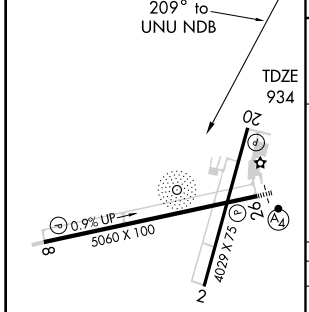
JUNEAU/ DODGE COUNTY (UNU)

If local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 2000 then climbing right turn to 2700 direct UNU NDB and hold.

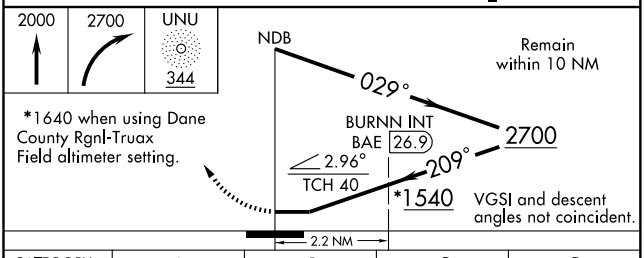
AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L





REIL Rwys 2 and 20 L
MIRL Rwys 8-26 and 2-20 L

Knots	60	90	120	150	180
Min:Sec					



*1640 when using Dane County Rgnl-Truax Field altimeter setting.

CATEGORY	A	B	C	D
S-20	1540-1 606 (700-1)		1540-1¾ 606 (700-1¾)	NA
CIRCLING	1540-1 606 (700-1)		1540-1¾ 606 (700-1¾)	NA
	BURNN FIX MINIMUMS			
S-20	1420-1 486 (500-1)		1420-1¼ 486 (500-1¼)	NA
CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 87107 W02A	APP CRS 018°	Rwy ldg 4029 TDZE 933 Apt Elev 934

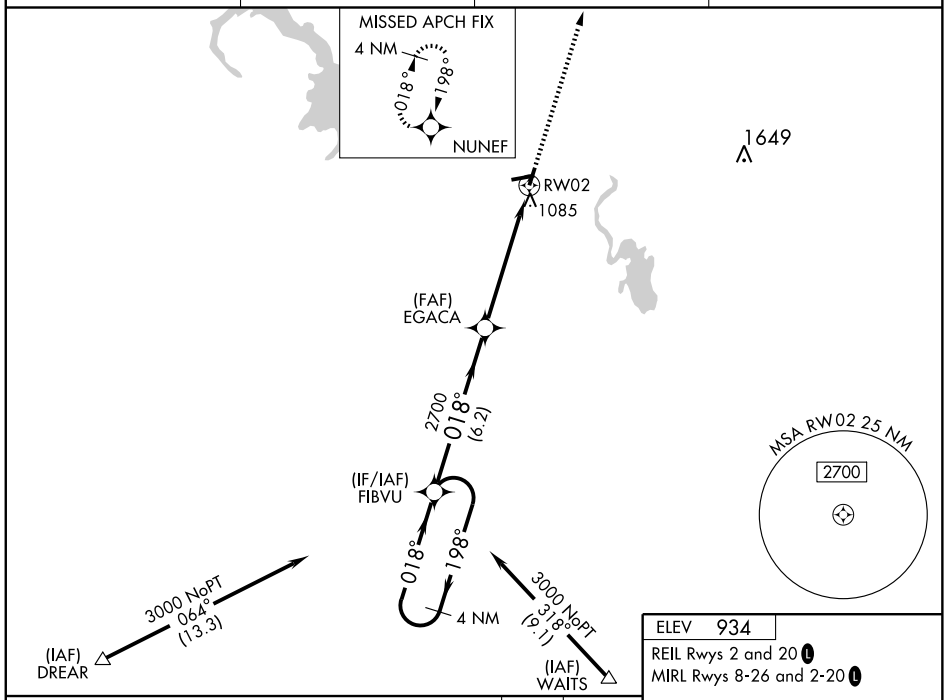
RNAV (GPS) RWY 2

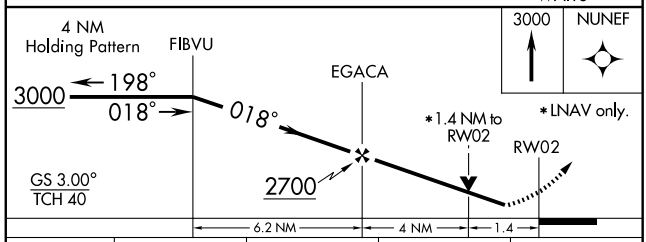
JUNEAU/ DODGE COUNTY (UNU)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 54° C (130° F). DME/DME RNP-0.3 NA.When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all DA/MDA 100 feet, increase all visibilities ½ mile. VDP and Baro-VNAV NA when using Dane County Rgnl-Truax Field altimeter setting. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct NUNEF and hold.

AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L

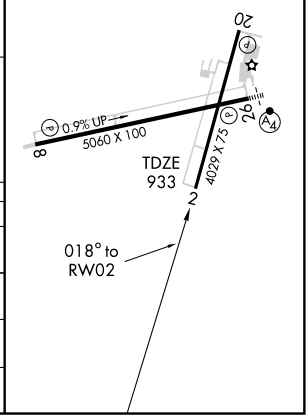




ELEV 934

REIL Rwys 2 and 20 L

MIRL Rwys 8-26 and 2-20 L



CATEGORY	A	B	C	D
LPV DA	1189-1 256 (300-1)			NA
LNAV/ VNAV DA	1432-1¾ 499 (500-1¾)			NA
LNAV MDA	1400-1 467 (500-1)		1400-1¼ 467 (500-1¼)	NA
CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

APP CRS	Rwy ldg	5060
081°	TDZE	913
	Apt Elev	934

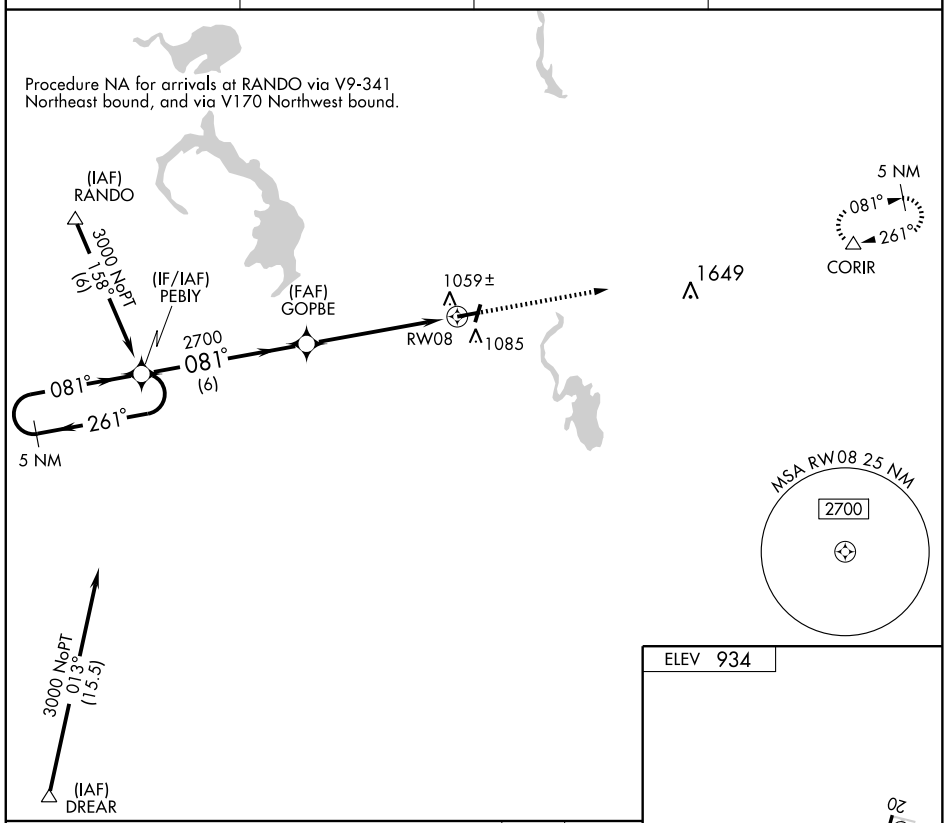
RNAV (GPS) RWY 8

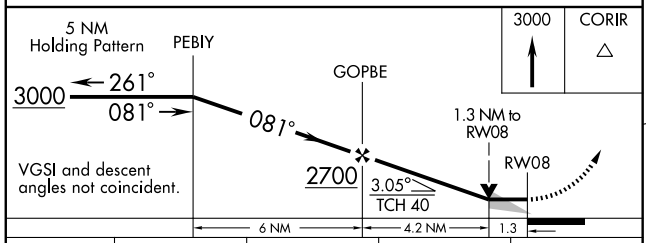
JUNEAU/ DODGE COUNTY(UNU)

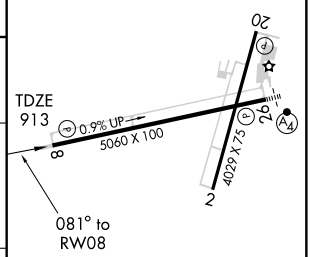
DME/DME RNP-0.3 NA.
If local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet.
VDP NA when using Dane County Rgnl-Truax Field altimeter setting.

MISSED APPROACH: Climb to 3000 direct CORIR and hold.

AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1320-1 407 (400-1)		1320-1¼ 407 (400-1¼)	NA
CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

REIL Rwys 2 and 20 L
MIRL Rwys 8-26 and 2-20 L

EC-3, 14 JAN 2010 to 11 FEB 2010

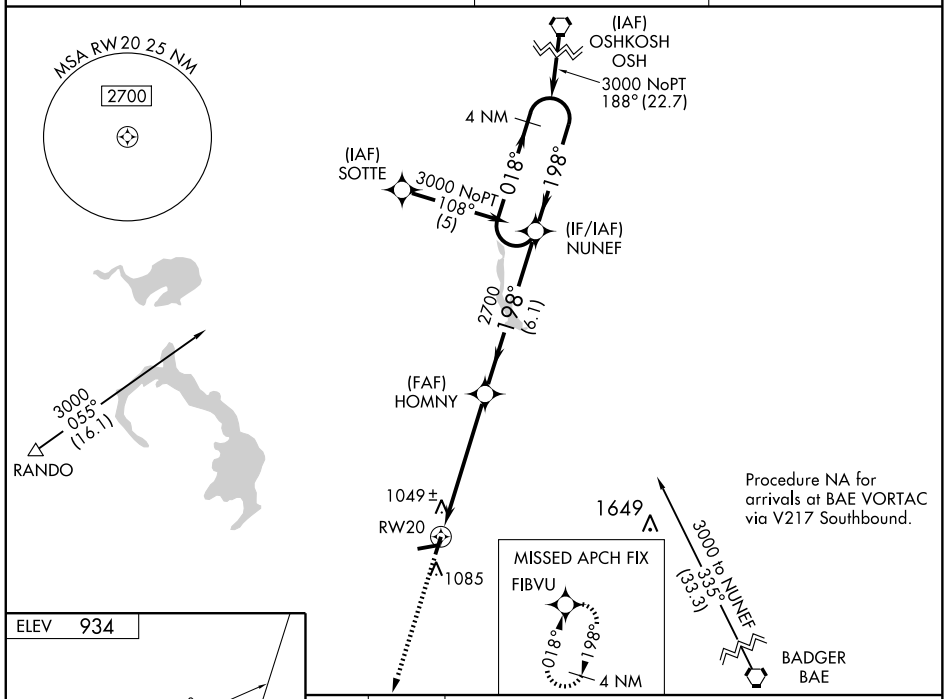
WAAS CH 61307 W20A	APP CRS 198°	Rwy ldg 4029 TDZE 934 Apt Elev 934

RNAV (GPS) RWY 20
JUNEAU/DODGE COUNTY (UNU)

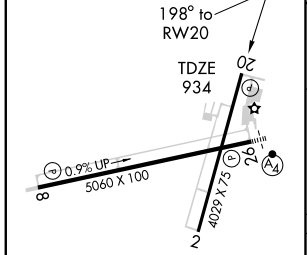
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 54° C (130° F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all DA/MDA 100 feet, increase visibilities ¼ mile. Baro-VNAV NA when using Dane County Rgnl-Truax Field altimeter setting. Visibility reduction by helicopters NA.

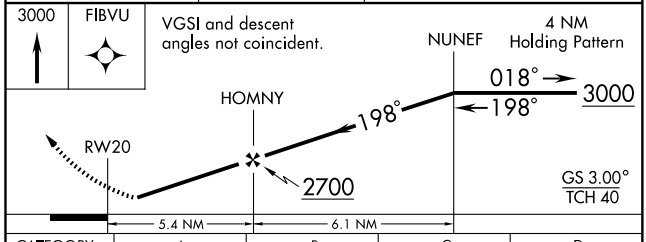
MISSED APPROACH: Climb to 3000 direct FIBVU and hold.

AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L



Procedure NA for arrivals at BAE VORTAC via V217 Southbound.





CATEGORY	A	B	C	D
LPV DA	1214-1 280 (300-1)			NA
LNAV/VNAV DA	1350-1½ 416 (500-1½)			NA
LNAV MDA	1300-1 366 (400-1)			NA
CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

REIL Rwys 2 and 20 L
MIRL Rwys 8-26 and 2-20 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5060
261°	TDZE	934
	Apt Elev	934

RNAV (GPS) RWY 26

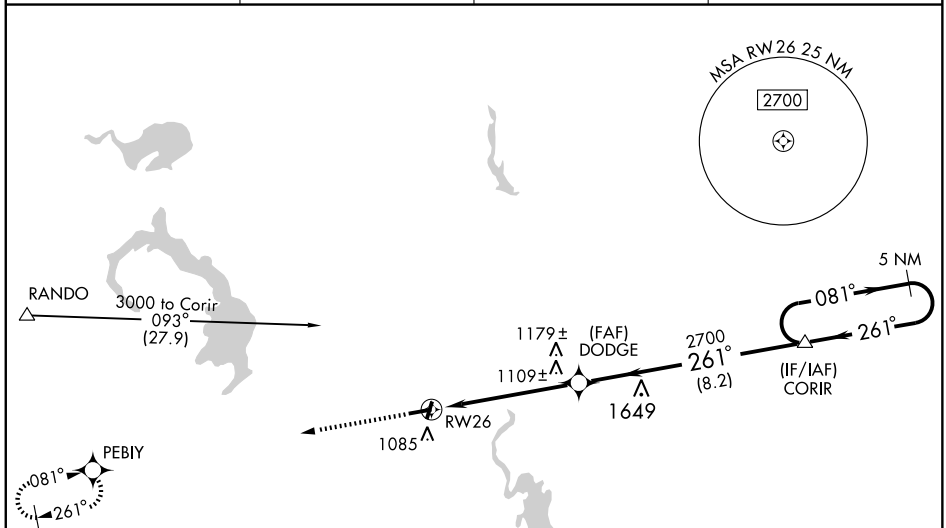
JUNEAU/ DODGE COUNTY(UNU)

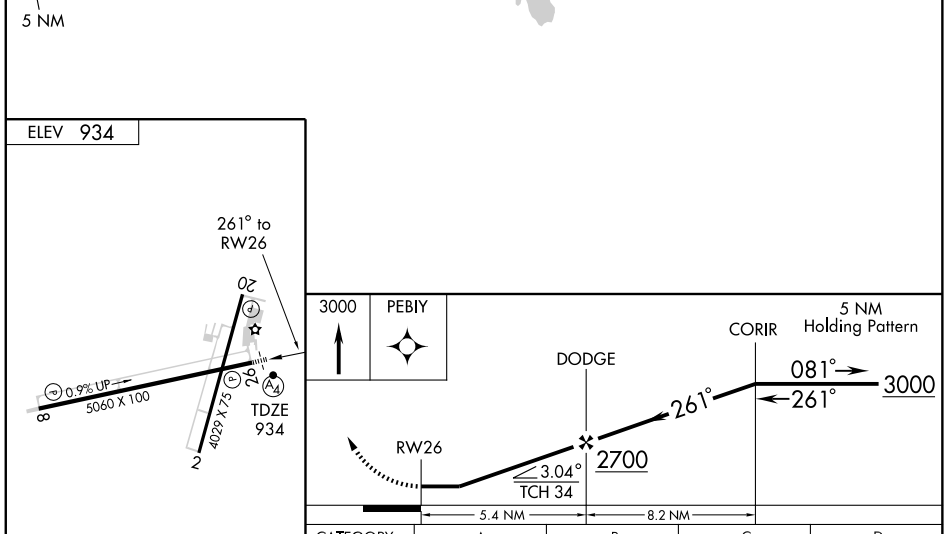
If local altimeter setting not received, use Dane County Rgnl-Truax Field altimeter setting and increase all MDAs 100 feet. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Inoperative table does not apply.

MALSF

MISSED APPROACH: Climb to 3000 direct PEBIY and hold.

AWOS-3	MADISON APP CON	GCO	UNICOM
119.075	119.15 343.7	121.725	122.7 (CTAF) L





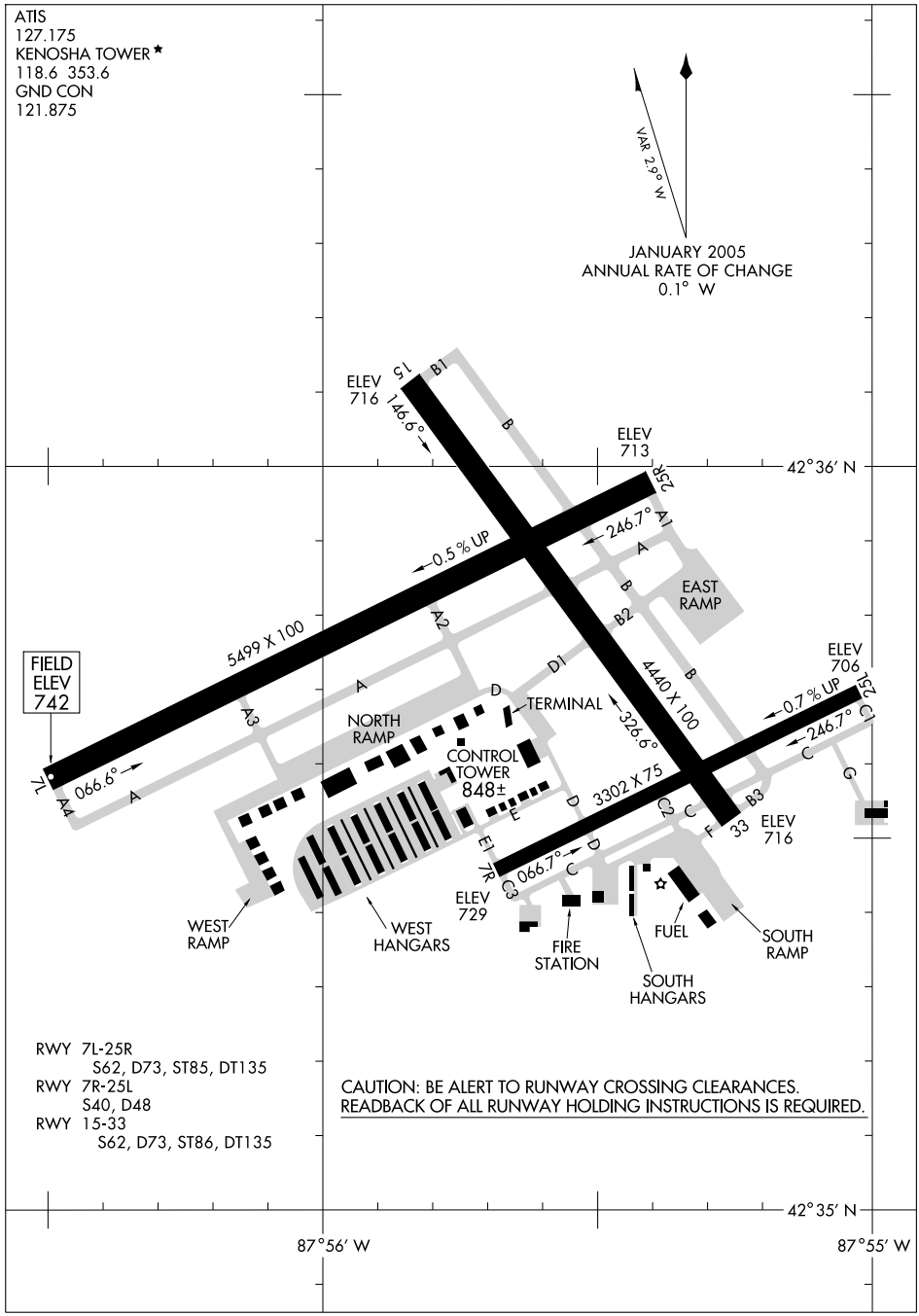
CATEGORY	A	B	C	D
LNAV MDA	1360-1 426 (500-1)		1360-1¼ 426 (500-1¼)	NA
CIRCLING	1440-1 506 (600-1)		1440-1½ 506 (600-1½)	NA

REIL Rwys 2 and 20 L
MIRL Rwys 8-26 and 2-20 L

AIRPORT DIAGRAM

AL-5449 (FAA)

KENOSHA RGNL(ENW)
KENOSHA, WISCONSIN



RWY 7L-25R
S62, D73, ST85, DT135
RWY 7R-25L
S40, D48
RWY 15-33
S62, D73, ST86, DT135

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

LOC I-ENW	APP CRS	Rwy ldg	5499
109.35	066°	TDZE	742
		Apt Elev	742

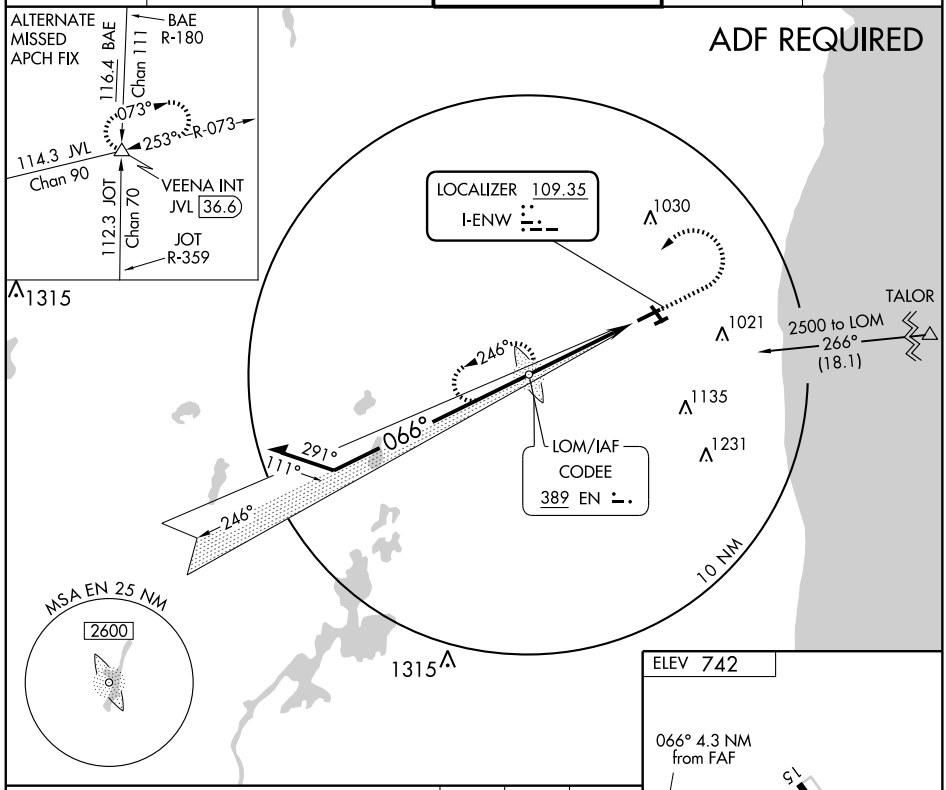
ILS or LOC RWY 7L
KENOSHA RGNL (ENW)

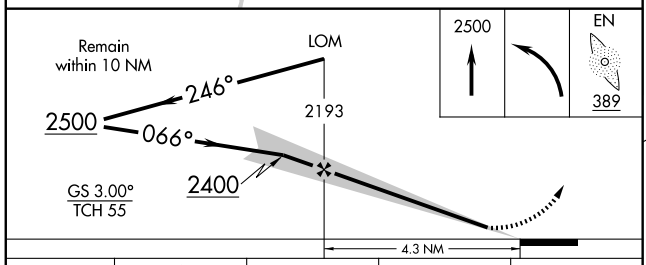
ADF Required. When local altimeter setting not received, use Waukegan Rgnl altimeter setting and increase all DA 27 feet and all MDA 40 feet.

MALSR

MISSED APPROACH: Climb to 2500 then left turn direct EN LOM and hold.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) L 353.6	121.875	122.95





CATEGORY	A	B	C	D
S-ILS 7L	942-½ 200 (200-½)			
S-LOC 7L	1180-½ 438 (500-½)		1180-¾ 438 (500-¾)	1180-1 438 (500-1)
CIRCLING	1200-1 458 (500-1)		1200-1½ 458 (500-1½)	1340-2 598 (600-2)

HIRL Rwys 7L-25R and 15-33 L
REIL Rwys 15 and 25R L
MIRL Rwy 7R-25L L

FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

WAAS CH 50314 W07A	APP CRS 066°	Rwy ldg 5499 TDZE 742 Apt Elev 742

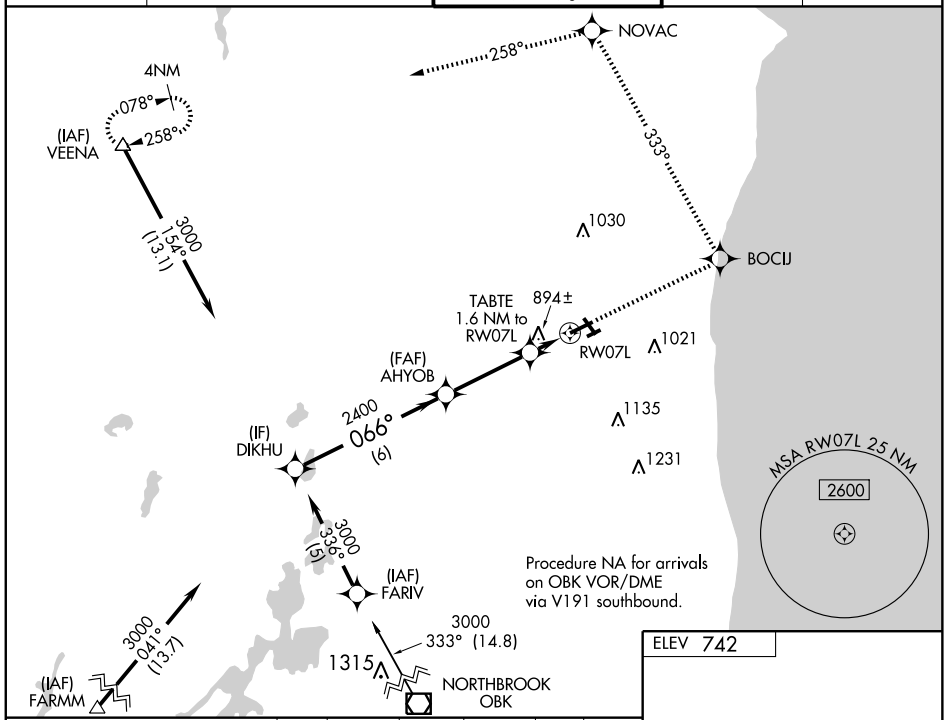
RNAV (GPS) RWY 7L
KENOSHA RGNL (ENW)

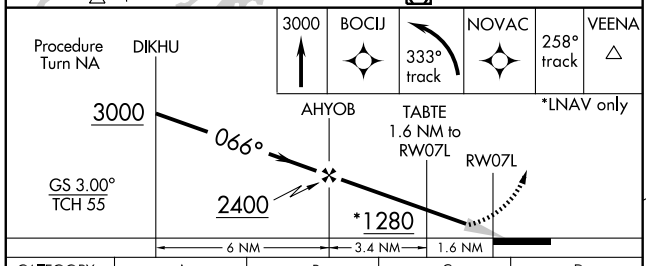
For inoperative MALSR, increase LNAV Cat D visibility to 1¼ mile.
Baro-VNAV NA when using Waukegan Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Waukegan Rgnl altimeter setting and increase all DA 27 feet and all MDA 40 feet.

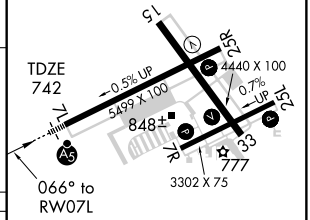
MALSR

MISSED APPROACH: Climb to 3000 direct BOCIJ and left turn via track 333° to NOVAC and via track 258° to VEENA and hold.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) L 353.6	121.875	122.95







CATEGORY	A	B	C	D
LPV DA	942-½ 200 (200-½)			
LNAV/VNAV DA	1179-1 437 (500-1)			
LNAV MDA	1160-½ 418 (500-½)		1160-¾ 418 (500-¾)	1160-1 418 (500-1)
CIRCLING	1200-1 458 (500-1)		1200-1½ 458 (500-1½)	1340-2 598 (600-2)

HIRL Rwys 7L-25R and 15-33 L
REIL Rwys 15 and 25R L
MIRL Rwy 7R-25L L

EC-3, 14 JAN 2010 to 11 FEB 2010

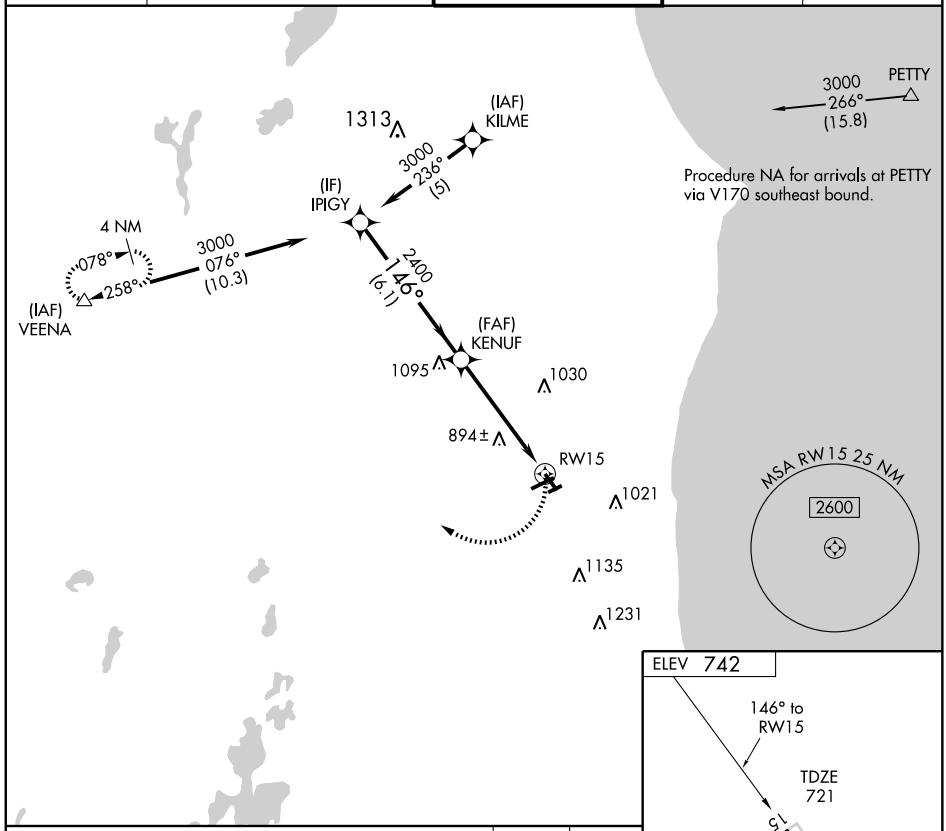
APP CRS	Rwy ldg	4440
146°	TDZE	721
	Apt Elev	742

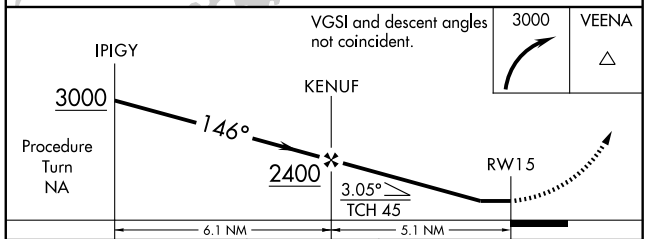
RNAV (GPS) RWY 15
KENOSHA RGNL (ENW)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
When local altimeter setting not received, use Waukegan Rgnl altimeter setting and increase all MDA 40 feet and increase LNAV Cats C/D visibility ¼ mile.

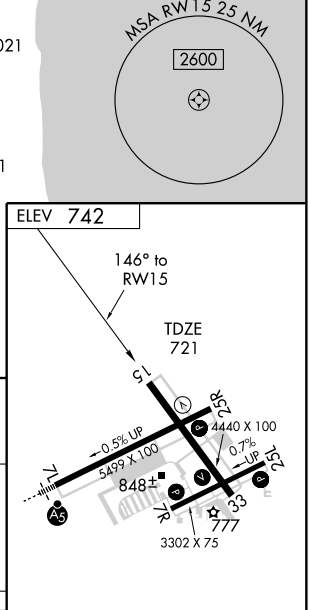
MISSED APPROACH:
Climbing right turn to 3000 direct VEENA and hold.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) L 353.6	121.875	122.95





CATEGORY	A	B	C	D
LNAV MDA	1200-1 479 (500-1)		1200-1¼ 479 (500-1¼)	1200-1½ 479 (500-1½)
CIRCLING	1200-1 458 (500-1)		1200-1½ 458 (500-1½)	1340-2 598 (600-2)



MIRL Rwy 7R-25L L
REIL Rwys 15 and 25R L
HIRL Rwys 7L-25R and 15-33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

KENOSHA, WISCONSIN

AL-5449 (FAA)

WAAS CH 49014 W25A	APP CRS 246°	Rwy ldg 5499 TDZE 732 Apt Elev 742

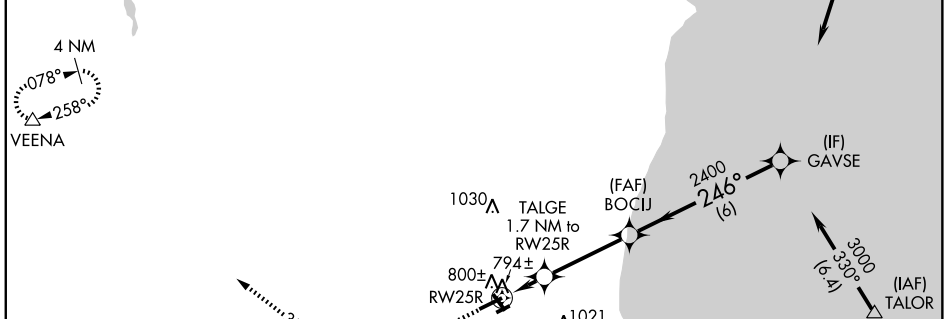
RNAV (GPS) RWY 25R

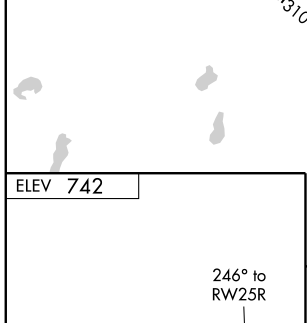
KENOSHA RGNL (ENW)

Baro-VNAV NA when using Waukegan Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Waukegan Rgnl altimeter setting and increase all DA 27 feet and all MDA 40 feet and increase LNAV Cat C visibility ¼ mile.

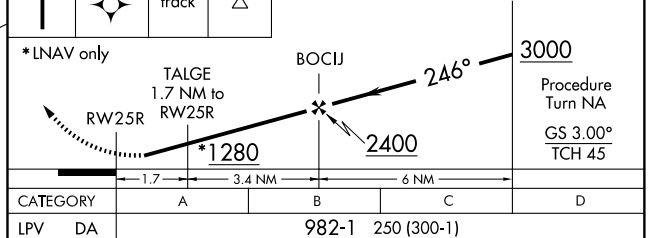
MISSED APPROACH: Climb to 3000 direct AHYOB and via track 310° to VEENA and hold.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) L 353.6	121.875	122.95





MIRL Rwy 7R-25L L
REIL Rwys 15 and 25R L
HIRL Rwys 7L-25R and 15-33 L



CATEGORY	A	B	C	D
LPV DA	982-1 250 (300-1)			
LNAV/VNAV DA	1064-1¼ 332 (400-1¼)			
LNAV MDA	1100-1 368 (400-1)			1100-1¼ 368 (400-1¼)
CIRCLING	1200-1 458 (500-1)		1200-1½ 458 (500-1½)	1340-2 598 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

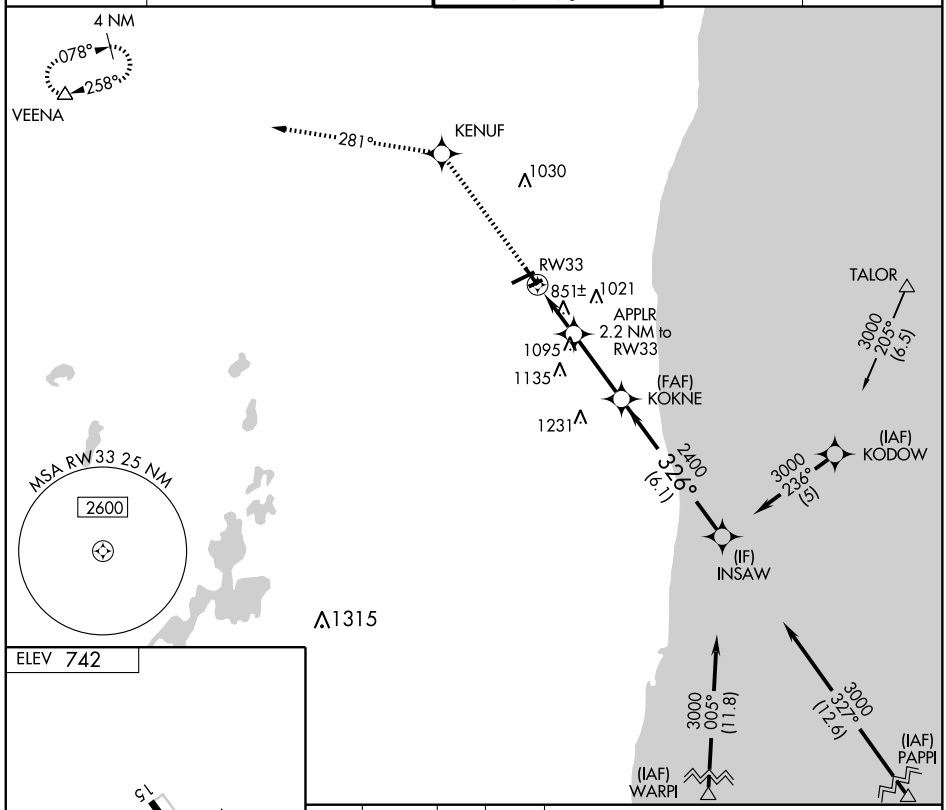
APP CRS	Rwy ldg	4440
326°	TDZE	721
	Apt Elev	742

RNAV (GPS) RWY 33
KENOSHA RGNL (ENW)

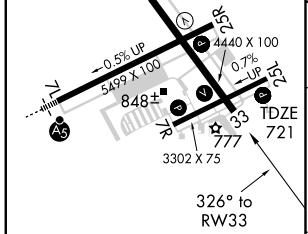
DME/DME RNP-0.3 NA.
When local altimeter setting is not received, use Waukegan Rgnl altimeter setting and increase all MDA 40 feet.
VDP NA when using Waukegan Rgnl altimeter setting.

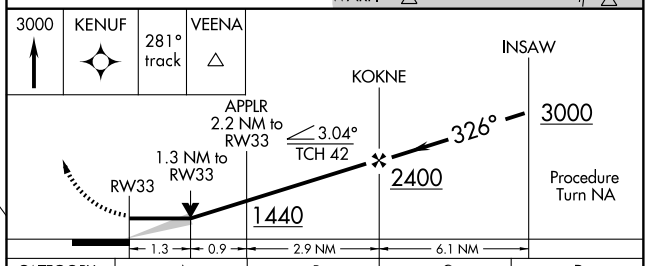
MISSED APPROACH: Climb to 3000 direct KENUF and via track 281° to VEENA and hold.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) (L) 353.6	121.875	122.95



ELEV 742





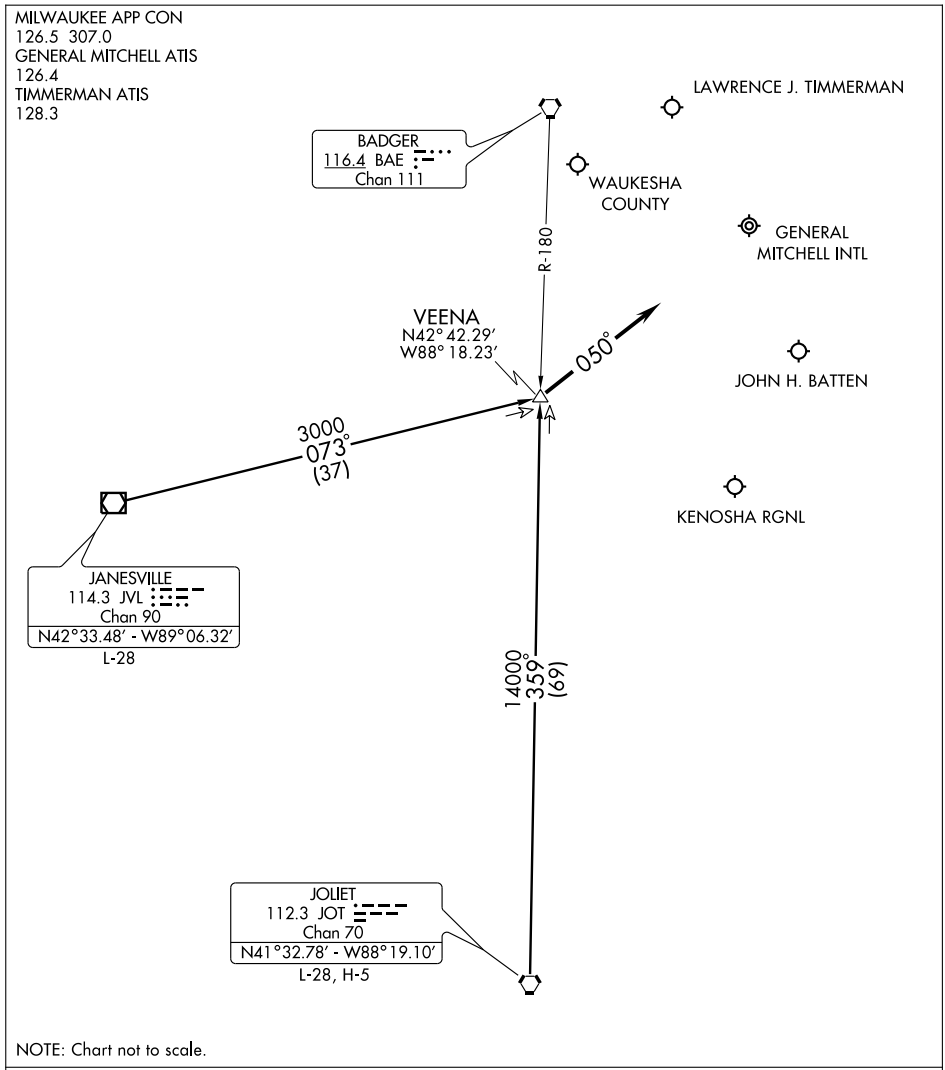
CATEGORY	A	B	C	D
LNAV MDA	1160-1 439 (500-1)		1160-1¼ 439 (500-1¼)	1160-1½ 439 (500-1½)
CIRCLING	1200-1 458 (500-1)		1200-1½ 458 (500-1½)	1340-2 598 (600-2)

HIRL Rwys 7L-25R and 15-33 (L)
REIL Rwys 15 and 25R (L)
MIRL Rwy 7R-25L (L)

EC-3, 14 JAN 2010 to 11 FEB 2010

VEENA ONE ARRIVAL (VEENA.VEENA1)

MILWAUKEE, WISCONSIN



NOTE: Chart not to scale.

JANESVILLE TRANSITION (JVL.VEENA1): From over JVL VOR/DME via JVL R-073 to VEENA INT. Thence....

JOLIET TRANSITION (JOT.VEENA1): From over JOT VORTAC via JOT R-359 to VEENA INT. Thence....

.... depart VEENA INT heading 050° for initial vector to final approach.

LOST COMMUNICATIONS: From VEENA INT proceed direct IAF for destination airport.

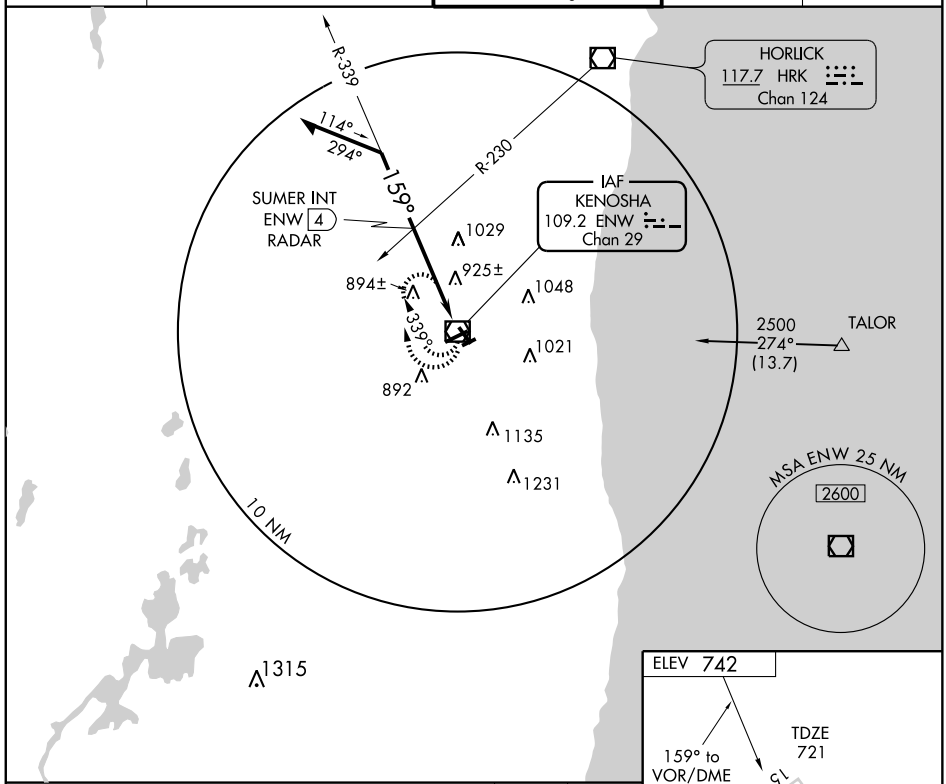
VOR/DME ENW 109.2 Chan 29	APP CRS 159°	Rwy ldg 4440 TDZE 721 Apt Elev 742

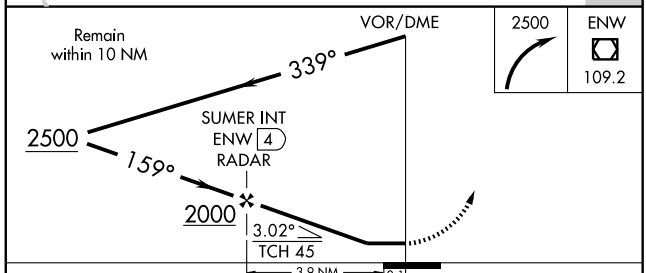
VOR RWY 15
KENOSHA RGNL (ENW)

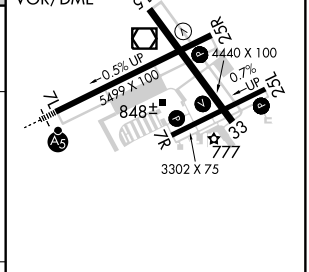
Visibility reduction by helicopters NA.
When local altimeter setting not received, use Waukegan Rgnl altimeter setting and increase all MDA 40 feet and increase S-15 Cats C/D visibility ¼ mile.

MISSED APPROACH: Climbing right turn to 2500 in ENW VOR/DME holding pattern, continue climb-in-hold to 2500.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) L 353.6	121.875	122.95







CATEGORY	A	B	C	D
S-15	1200-1 479 (500-1)		1200-1¼ 479 (500-1¼)	1200-1½ 479 (500-1½)
CIRCLING	1200-1 458 (500-1)		1200-1½ 458 (500-1½)	1340-2 598 (600-2)

HIRL Rwys 7L-25R and 15-33 L
REIL Rwys 15 and 25R L
MIRL Rwy 7R-25L L

EC-3, 14 JAN 2010 to 11 FEB 2010

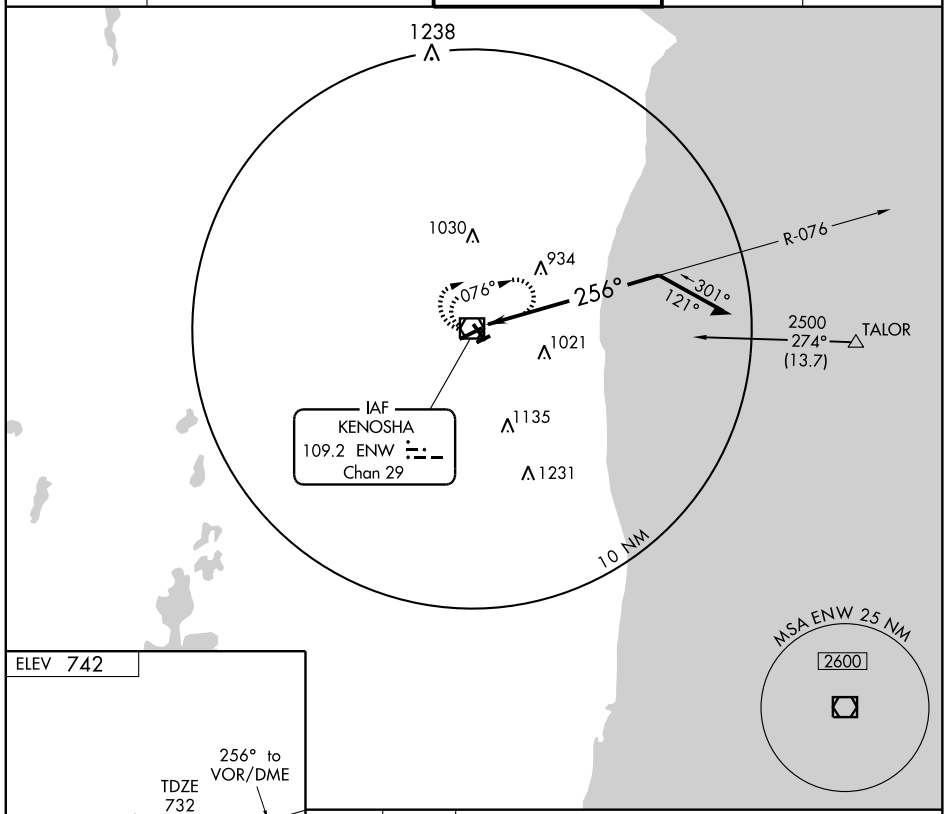
VOR/DME ENW 109.2 Chan 29	APP CRS 256°	Rwy ldg 5499 TDZE 732 Apt Elev 742

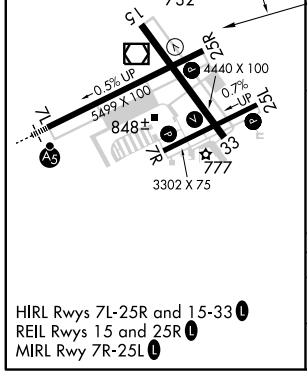
VOR RWY 25R
KENOSHA RGNL (ENW)

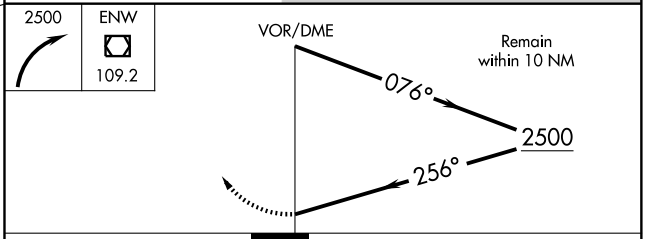
Visibility reduction by helicopters NA. When local altimeter setting not received, use Waukegan Rgnl altimeter setting and increase all MDA 40 feet and increase S-25R Cats C/D visibility ¼ mile.

MISSED APPROACH: Climbing right turn to 2500 in ENW VOR/DME holding pattern, continue climb-in-hold to 2500.

ATIS	MILWAUKEE APP CON	KENOSHA TOWER ★	GND CON	UNICOM
127.175	120.15 (SOUTH) 317.725	118.6 (CTAF) L 353.6	121.875	122.95







CATEGORY	A	B	C	D
S-25R	1300-1	568 (600-1)	1300-1½ 568 (600-1½)	1300-1¾ 568 (600-1¾)
CIRCLING	1300-1	558 (600-1)	1300-1½ 558 (600-1½)	1340-2 598 (600-2)

HIRL Rwys 7L-25R and 15-33 L
REIL Rwys 15 and 25R L
MIRL Rwy 7R-25L L

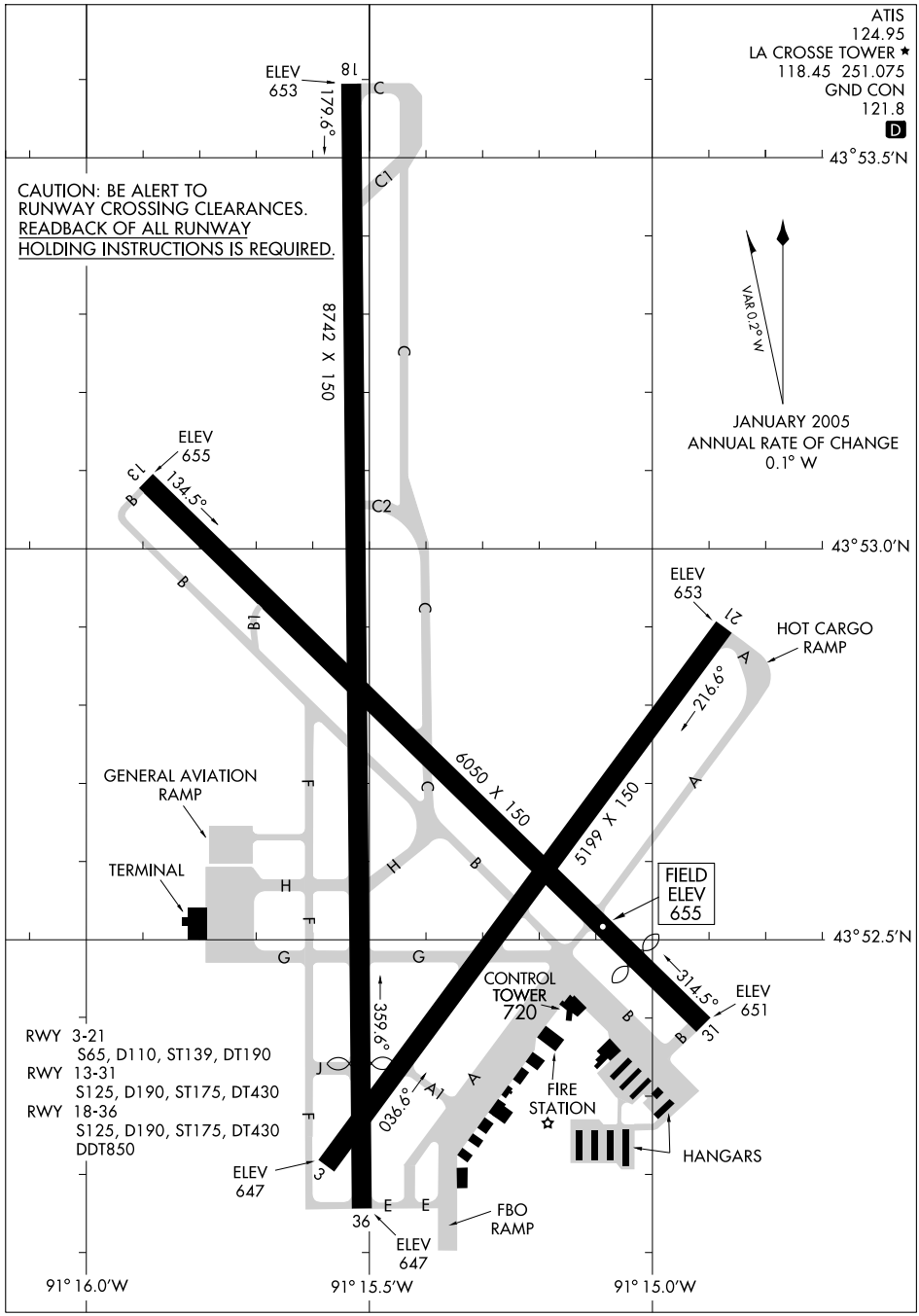
EC-3, 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

AL-219 (FAA)

LA CROSSE MUNI (LSE)

LA CROSSE, WISCONSIN



EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-LSE	APP CRS	Rwy ldg	8742
111.1	177°	TDZE	653
		Apt Elev	655

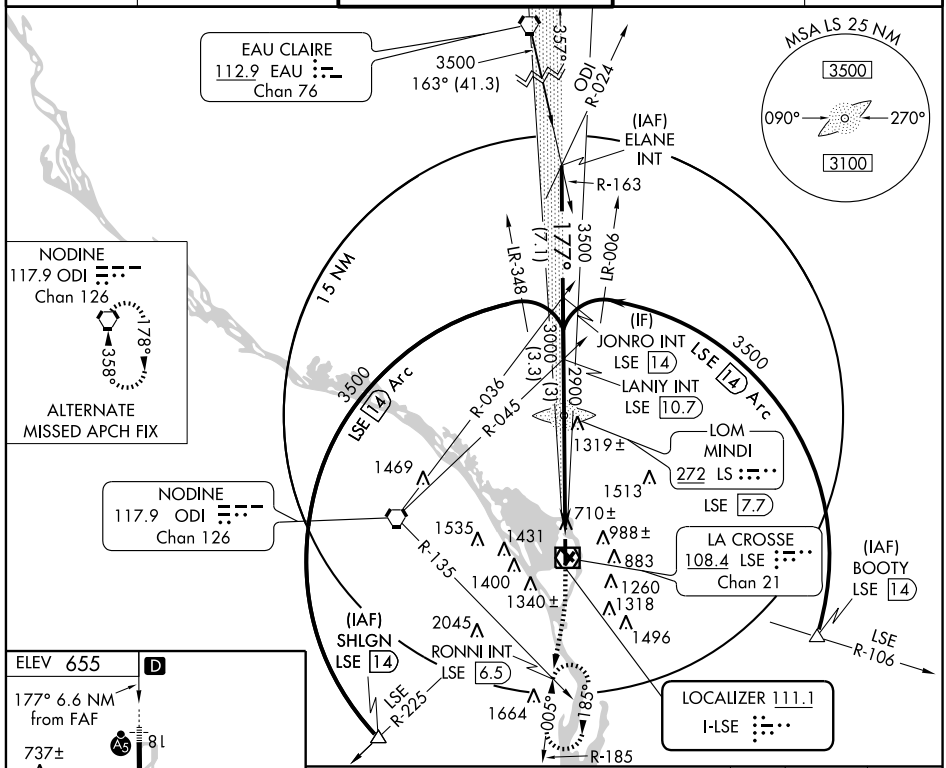
ILS or LOC RWY 18
LA CROSSE MUNI (LSE)

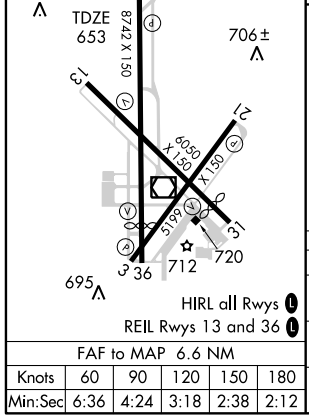
When local altimeter not received, use Winona altimeter setting and increase all DA 53 feet, all MDA 60 feet, increase visibility Circling Cat. C¼.

MALSR

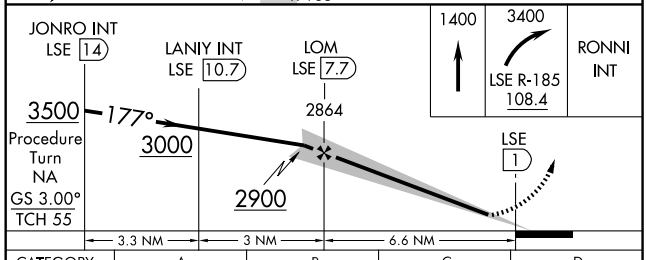
MISSED APPROACH: Climb to 1400 then climbing right turn to 3400 via LSE VOR/DME R-185 to RONNI Int/LSE 6.5 DME and hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95





FAF to MAP 6.6 NM					
Knots	60	90	120	150	180
Min:Sec	6:36	4:24	3:18	2:38	2:12



CATEGORY	A	B	C	D
S-ILS 18	853-½ 200 (200-½)			
S-LOC 18	1080-½ 427 (500-½)		1080-¾ 427 (500-¾)	1080-1 427 (500-1)
CIRCLING	1180-1 525 (600-1)		1440-2¼ 785 (800-2¼)	1780-3 1125 (1200-3)

EC-3, 14 JAN 2010 to 11 FEB 2010

LOM LS	APP CRS	Rwy ldg	8742
272	177°	TDZE	653
		Apt Elev	655

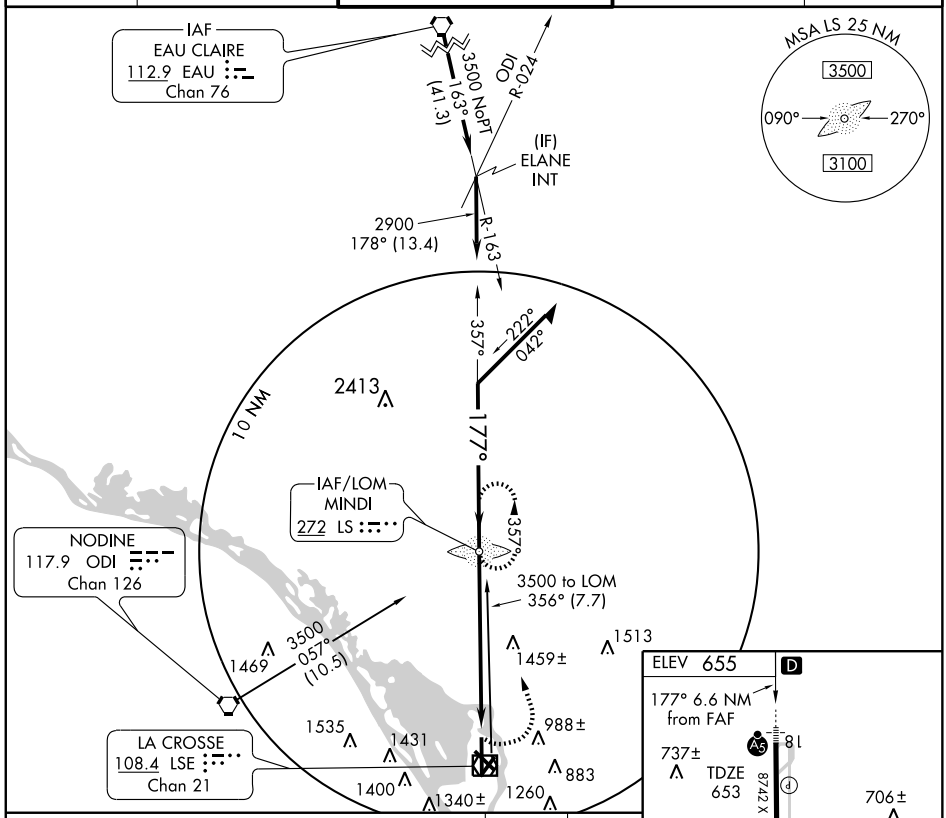
NDB RWY 18
LA CROSSE MUNI (LSE)

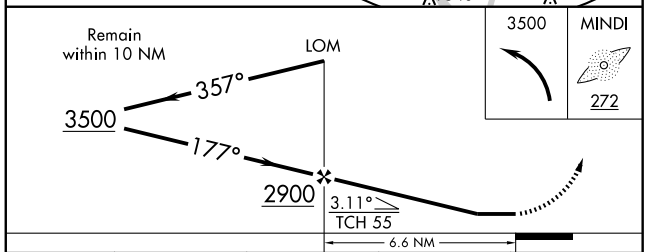
When local altimeter not received, use Winona altimeter setting and increase all MDA 60 feet. Inoperative table does not apply to S-18 Cat. A.

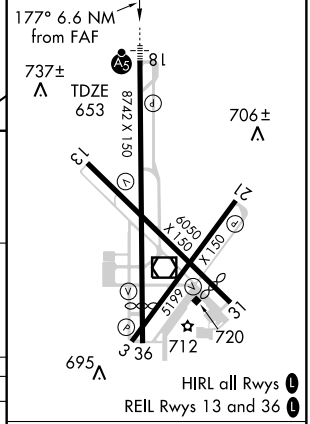
MALSR

MISSED APPROACH: Climbing left turn to 3500 direct MINDI LOM and hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







CATEGORY	A	B	C	D
S-18	1800-1¼ 1147 (1200-1¼)		1800-2½ 1147 (1200-2½)	1800-2¾ 1147 (1200-2¾)
CIRCLING	1800-1¼ 1145 (1200-1¼)	1800-1½ 1145 (1200-1½)	1800-3 1145 (1200-3)	

FAF to MAP 6.6 NM

Knots	60	90	120	150	180
Min:Sec	6:36	4:24	3:18	2:38	2:12

EC-3. 14 JAN 2010 to 11 FEB 2010

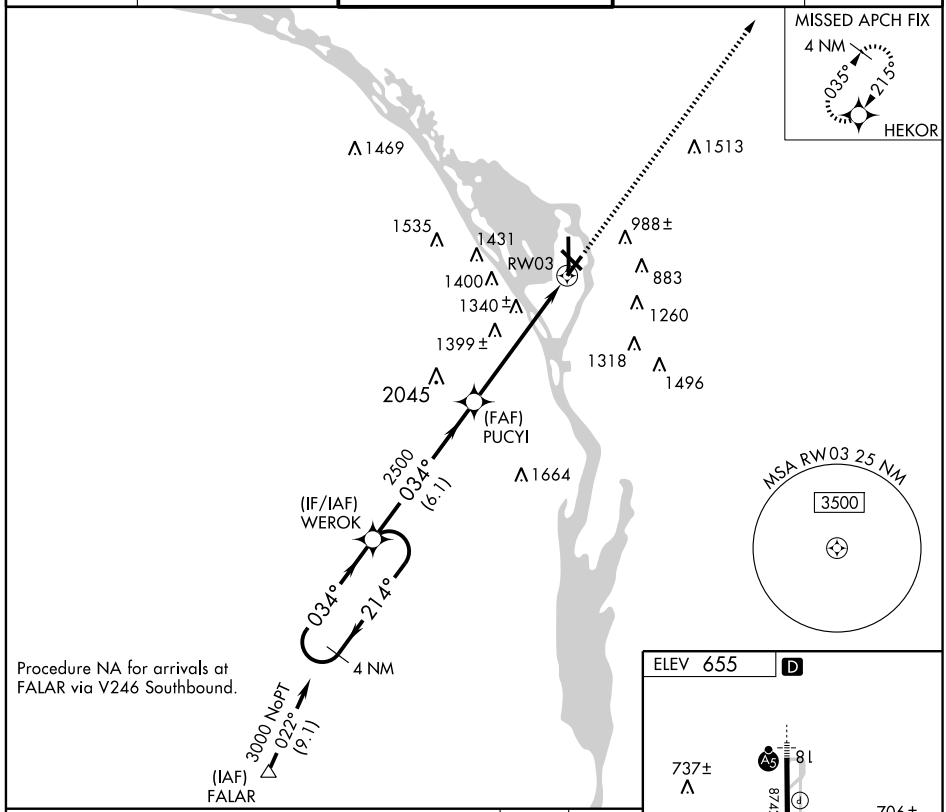
APP CRS	Rwy ldg	5199
034°	TDZE	653
	Apt Elev	655

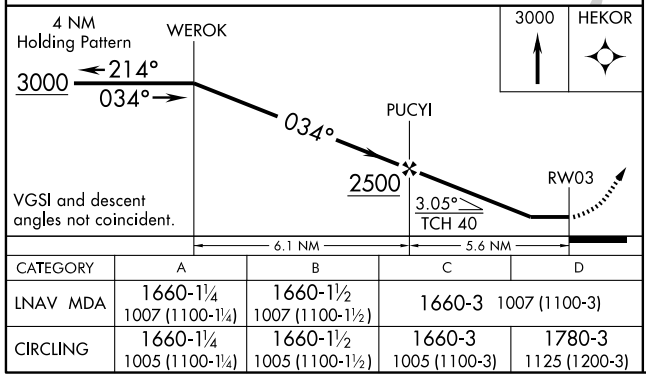
RNAV (GPS) RWY 3
LA CROSSE MUNI (LSE)

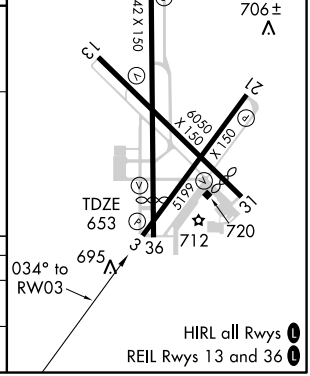
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Winona altimeter setting and increase all MDA 60 feet.

MISSED APPROACH:Climb to 3000 direct HEKOR and hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







CATEGORY	A	B	C	D
LNAV MDA	1660-1¼ 1007 (1100-1¼)	1660-1½ 1007 (1100-1½)	1660-3 1007 (1100-3)	
CIRCLING	1660-1¼ 1005 (1100-1¼)	1660-1½ 1005 (1100-1½)	1660-3 1005 (1100-3)	1780-3 1125 (1200-3)

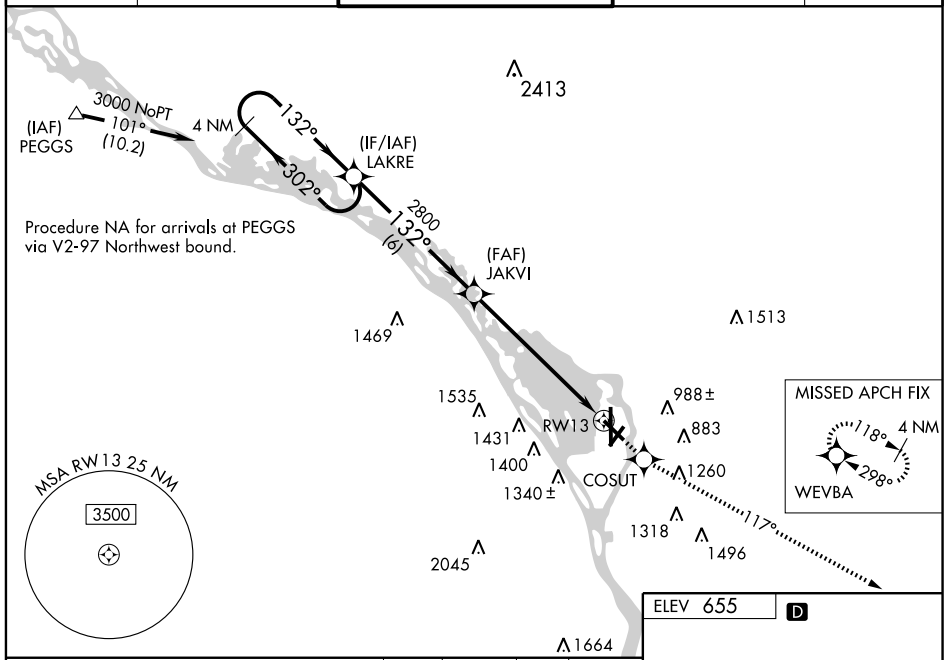
WAAS CH 56509 W13A	APP CRS 132°	Rwy ldg 5300 TDZE 655 Apt Elev 655

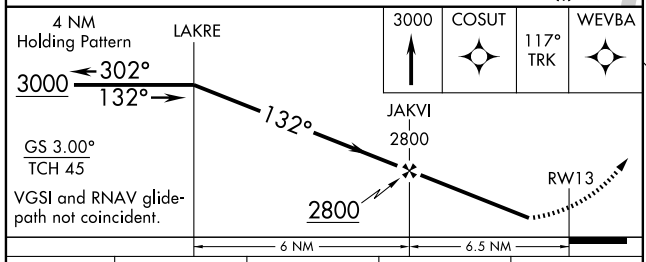
RNAV (GPS) RWY 13
LA CROSSE MUNI (LSE)

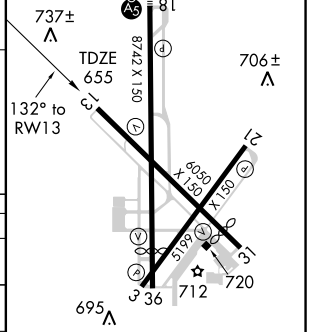
Baro-VNAV NA when using Winona altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 48° C (118° F).
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Winona altimeter setting and increase LPV all Cats. DA 53 feet, increase LNAV/VNAV all Cats. DA 84 feet, increase LPV and LNAV/VNAV visibility ¼ mile all Cats., increase all MDA 60 feet, increase LNAV Cats. C/D and Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct COSUT and via 117° track to WEVBA and hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







CATEGORY	A	B	C	D
LPV DA	957-1 302 (400-1)			
LNAV/VNAV DA	1019-1¼ 364 (400-1¼)			
LNAV MDA	1140-1 485 (500-1)		1140-1¼ 485 (500-1¼)	1140-1½ 485 (500-1½)
CIRCLING	1140-1 485 (500-1)		1440-2¼ 785 (800-2¼)	1780-3 1125 (1200-3)

WAAS CH 72809 W18A	APP CRS 177°	Rwy ldg 8742 TDZE 653 Apt Elev 655

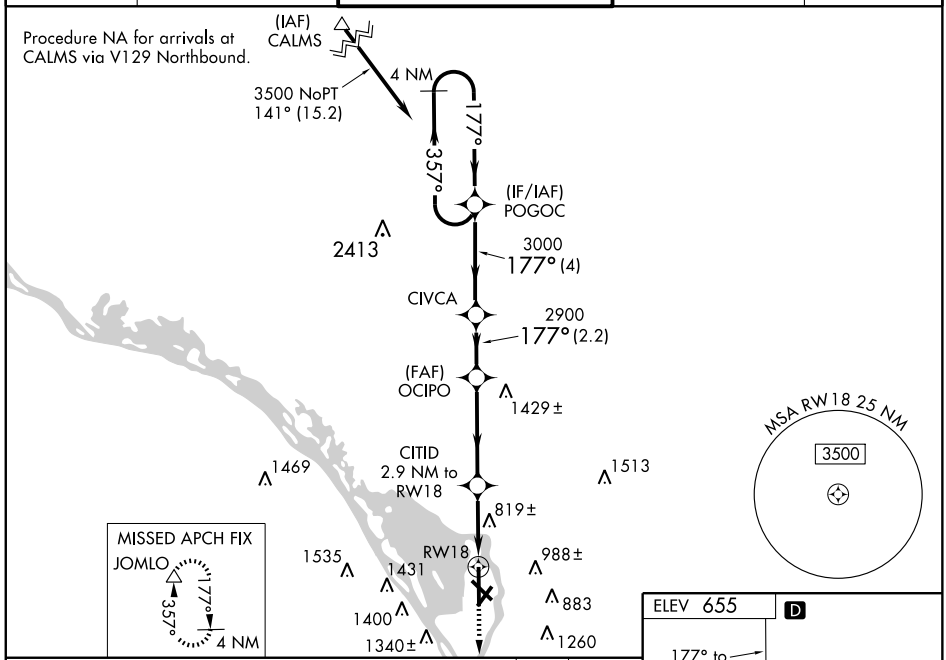
RNAV (GPS) RWY 18
LA CROSSE MUNI (LSE)

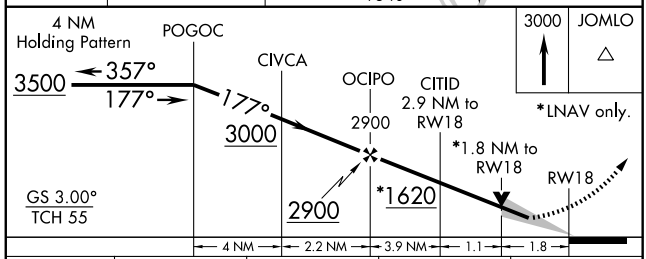
Baro-VNAV NA when using Winona altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 48° C (118° F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Winona altimeter setting and increase all DA 53 feet, increase LNAV/VNAV all Cats. visibility ¼ mile, increase all MDA 60 feet and Circling Cat. C visibility ¼ mile. For inoperative MALSR, increase LPV all Cats. visibility ½ mile. LNAV minimums NA with Winona altimeter setting.

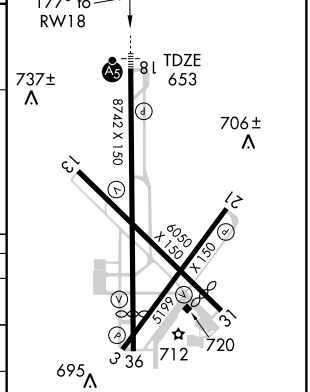
MALSR

MISSED APPROACH: Climb to 3000 direct JOMLO and hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







HIRL all Rwys L
REIL Rwys 13 and 36 L

CATEGORY	A	B	C	D
LPV DA	925-½ 272 (300-½)			
LNAV/VNAV DA	1204-1½ 551 (600-1½)			
LNAV MDA	1360-½ 707 (800-½)		1360-1½ 707 (800-1½)	1360-1¾ 707 (800-1¾)
CIRCLING	1360-1 705 (800-1)		1440-2¼ 785 (800-2¼)	1780-3 1125 (1200-3)

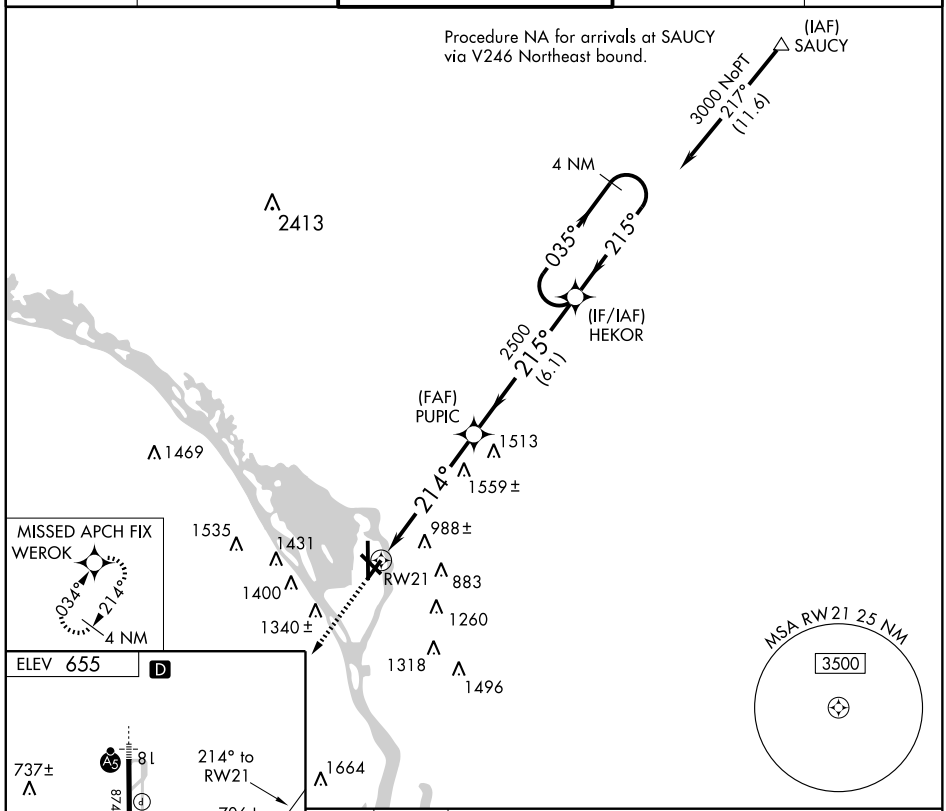
APP CRS	Rwy ldg	5199
214°	TDZE	654
	Apt Elev	655

RNAV (GPS) RWY 21
LA CROSSE MUNI (LSE)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Winona altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climb to 3100 direct WEROKand hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) 251.075	121.8	122.95



CATEGORY	A	B	C	D
LNAV MDA	1820-1¼ 1166 (1200-1¼)	1820-1½ 1166 (1200-1½)	1820-3 1166 (1200-3)	
CIRCLING	1820-1¼ 1165 (1200-1¼)	1820-1½ 1165 (1200-1½)	1820-3 1165 (1200-3)	

HIRL all Rwys
REIL Rwys 13 and 36

EC-3. 14 JAN 2010 to 11 FEB 2010

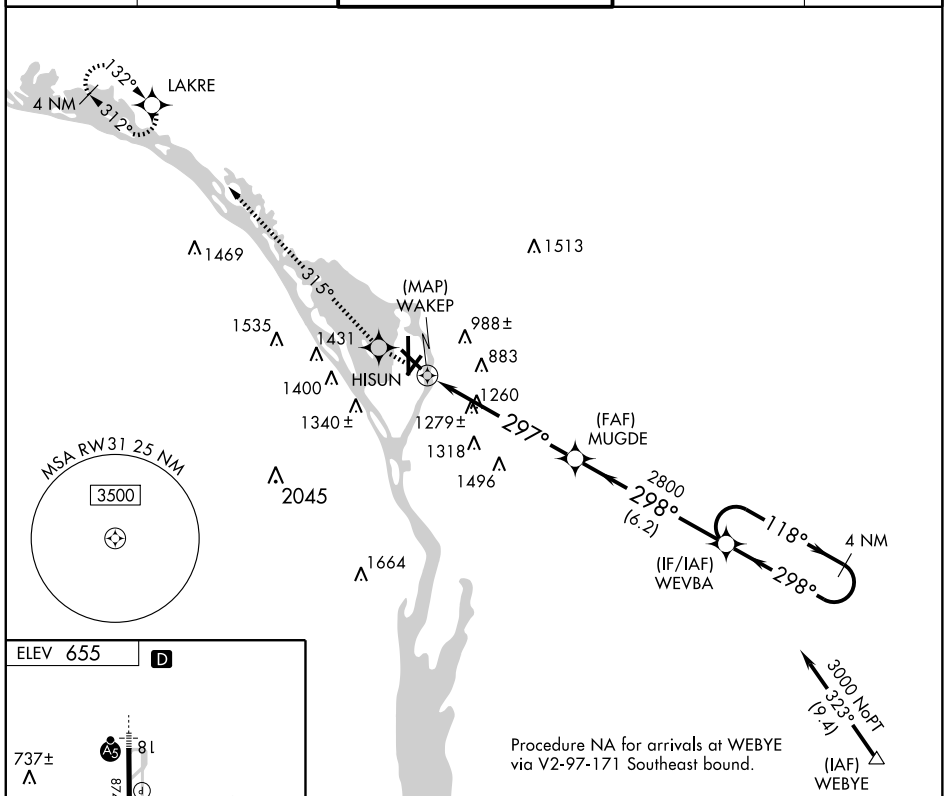
APP CRS	Rwy ldg	5300
297°	TDZE	654
	Apt Elev	655

RNAV (GPS) RWY 31
LA CROSSE MUNI (LSE)

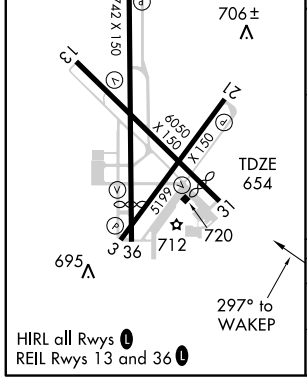
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Winona altimeter setting and increase all MDA to 60 feet.

MISSED APPROACH: Climb to 3000 direct HISUN and via 315° track to LAKRE and hold.

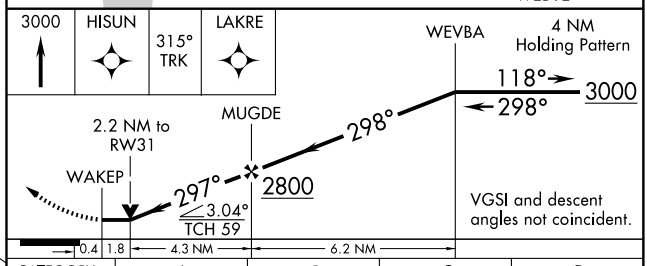
ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95



Procedure NA for arrivals at WEBYE via V2-97-171 Southeast bound.



HIRL all Rwys L
REIL Rwys 13 and 36 L



CATEGORY	A	B	C	D
LNAV MDA	1640-1¼ 986 (1000-1¼)	1640-1½ 986 (1000-1½)	1640-3	986 (1000-3)
CIRCLING	1640-1¼ 985 (1000-1¼)	1640-1½ 985 (1000-1½)	1640-3 985 (1000-3)	1780-3 1125 (1200-3)

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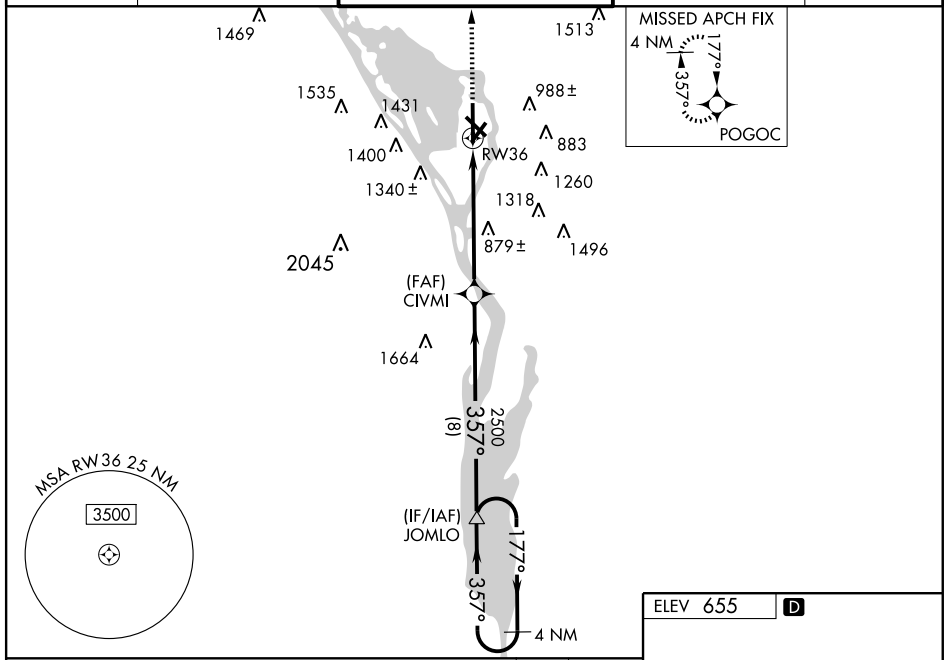
WAAS CH 86509 W36A	APP CRS 357°	Rwy ldg 7611 TDZE 653 Apt Elev 655

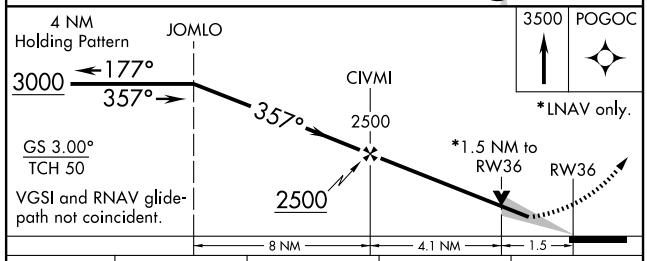
RNAV (GPS) RWY 36
LA CROSSE MUNI (LSE)

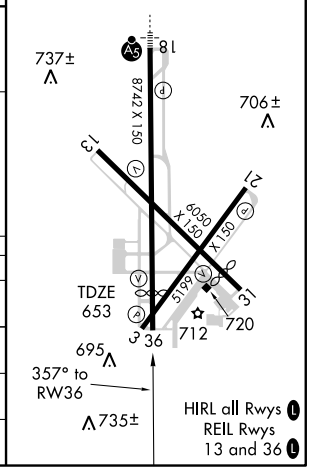
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 47° C (116° F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Winona altimeter setting. When local altimeter setting not received, use Winona altimeter setting and increase all DA 53 feet, increase LPV all Cats. visibility ¼ mile and LNAV/VNAV all Cats. visibility ¼ mile, increase all MDA 60 feet and LNAV Cats. C/D visibility ¼ mile and Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 3500 direct POGOC and hold.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







CATEGORY	A	B	C	D
LPV DA	953-1 300 (300-1)			
LNAV/VNAV DA	1203-2 550 (600-2)			
LNAV MDA	1140-1 487 (500-1)		1140-1¼ 487 (500-1¼)	1140-1½ 487 (500-1½)
CIRCLING	1140-1 485 (500-1)		1440-2¼ 785 (800-2¼)	1780-3 1125 (1200-3)

EC-3, 14 JAN 2010 to 11 FEB 2010

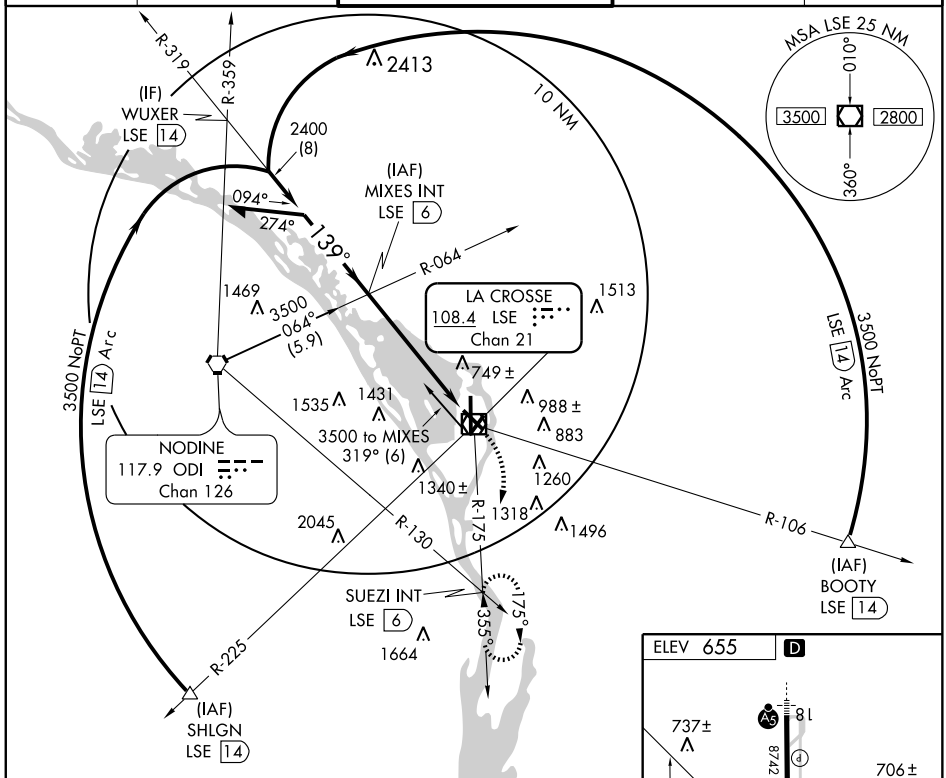
VOR/DME LSE 108.4 Chan 21	APP CRS 139°	Rwy ldg 5300 TDZE 655 Apt Elev 655

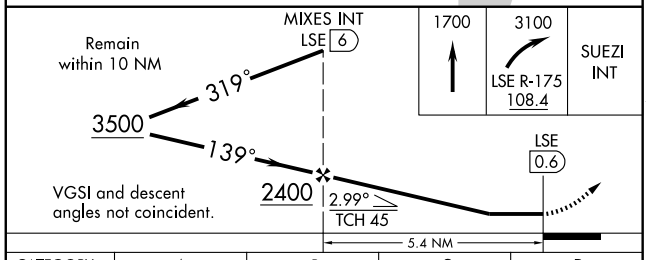
VOR RWY 13
LA CROSSE MUNI (LSE)

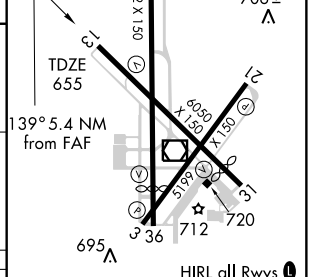
Visibility reduction by helicopters NA. When local altimeter setting not received, use Winona altimeter setting and increase all MDA 60 feet, increase S-13 Cat. C and D visibility ¼ mile, increase Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 1700 then climbing right turn to 3100 via LSE VOR/DME R-175 to SUEZI Int/LSE 6 DME and hold, continue climb-in-hold to 3100.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







CATEGORY	A	B	C	D
S-13	1120-1 465 (500-1)		1120-1¼ 465 (500-1¼)	1120-1½ 465 (500-1½)
CIRCLING	1180-1 525 (600-1)		1440-2¼ 785 (800-2¼)	1780-3 1125 (1200-3)

FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

EC-3. 14 JAN 2010 to 11 FEB 2010

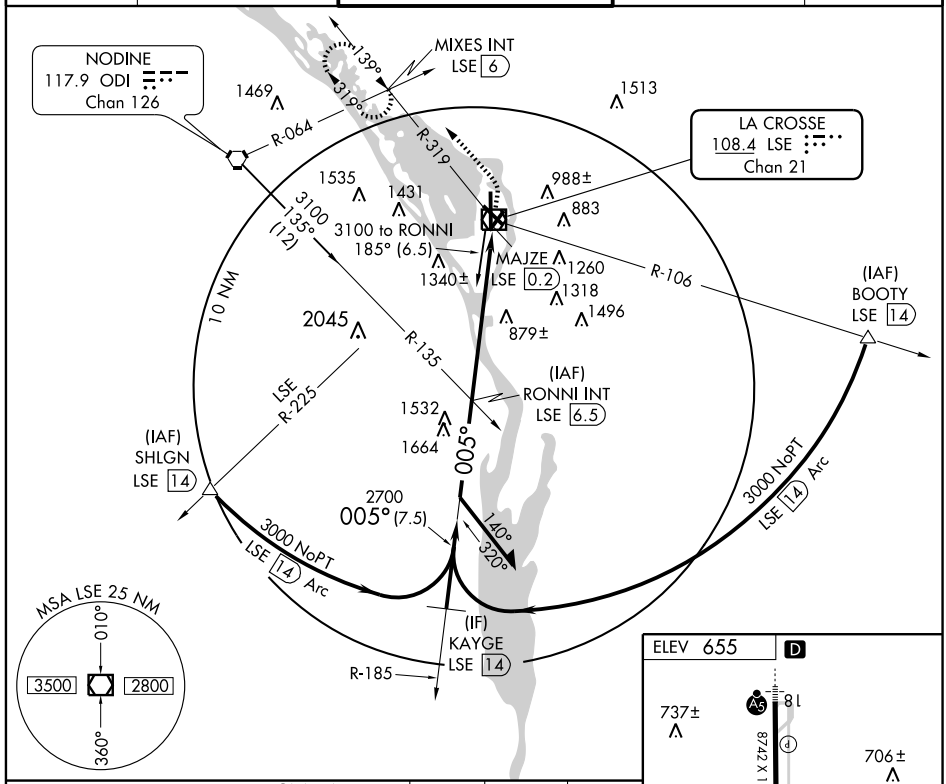
VOR/DME LSE	APP CRS	Rwy ldg 7611
108.4	005°	TDZE 653
Chan 21		Apt Elev 655

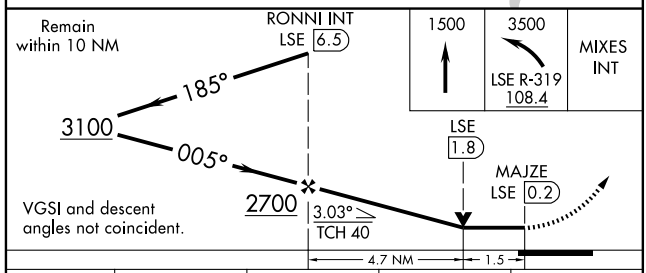
VOR RWY 36
LA CROSSE MUNI (LSE)

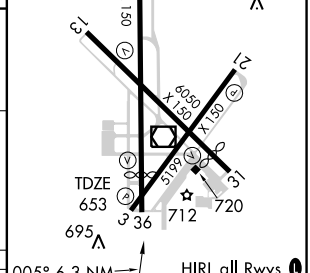
Visibility reduction by helicopters NA. When local altimeter setting not received, use Winona altimeter setting and increase all MDA 60 feet. Increase S-36 Cat. D and Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 1500 then climbing left turn to 3500 via LSE R-319 to MIXES Int/LSE 6 DME and hold, continue climb-in-hold to 3500.

ATIS	MINNEAPOLIS CENTER	LA CROSSE TOWER ★	GND CON	UNICOM
124.95	128.6 363.0	118.45 (CTAF) L 251.075	121.8	122.95







CATEGORY	A	B	C	D
S-36	1160-1 507 (600-1)		1160-1½ 507 (600-1½)	
CIRCLING	1160-1 505 (600-1)		1440-2¼ 785 (800-2¼)	1780-3 1125 (1200-3)

FAF to MAP 6.3 NM					
Knots	60	90	120	150	180
Min:Sec	6:18	4:12	3:09	2:31	2:06

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3000
040°	TDZE	649
	Apt Elev	649

RNAV (GPS) RWY 4

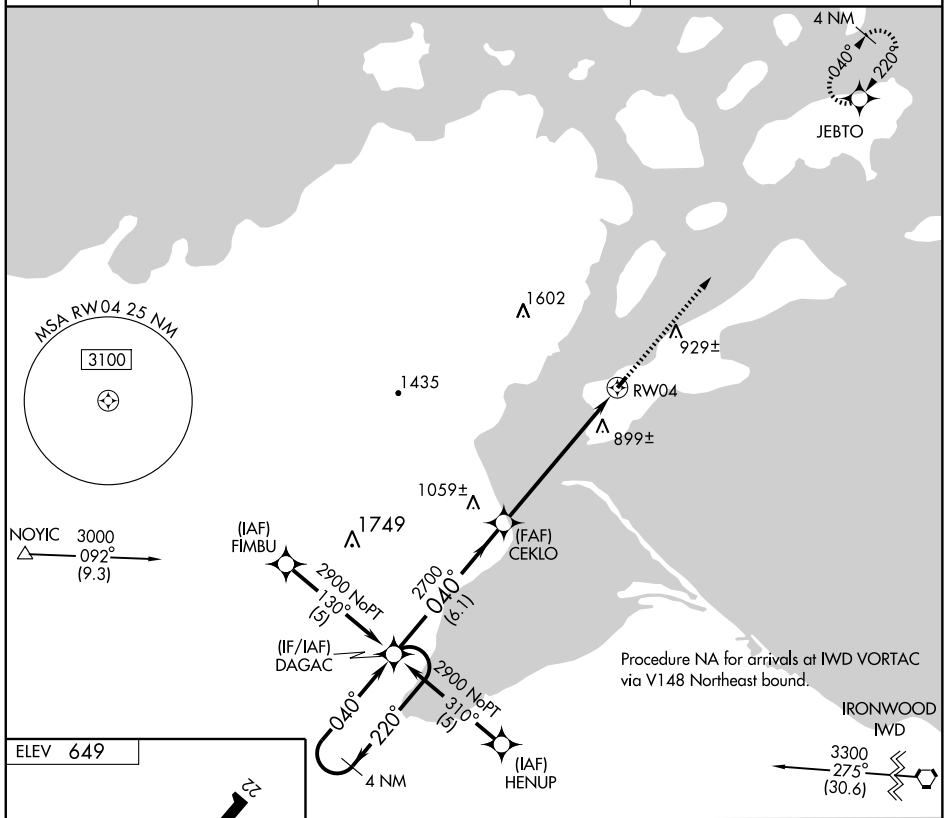
LA POINTE/MADELINE ISLAND (4R5)

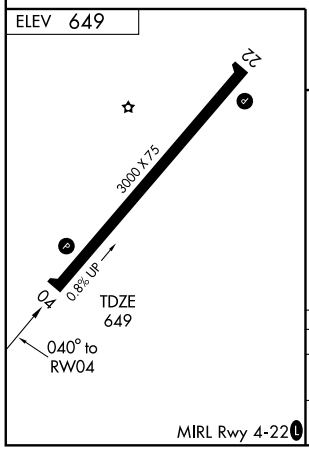
NA

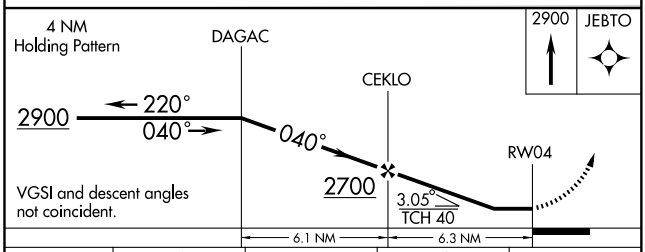
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Ashland altimeter setting; when not received, use Superior altimeter setting and increase all MDAs 80 feet and LNAV Cat. C visibility ½ mile, Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 2900 direct JEBTO and hold.

ASHLAND ASOS	MINNEANAPOLIS APP CON	CTAF
126.775	133.55	122.9







CATEGORY	A	B	C	D
LNAV MDA	1240-1 591 (600-1)		1240-1½ 591 (600-1½)	NA
CIRCLING	1240-1 591 (600-1)		1280-1¾ 631 (700-1¾)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

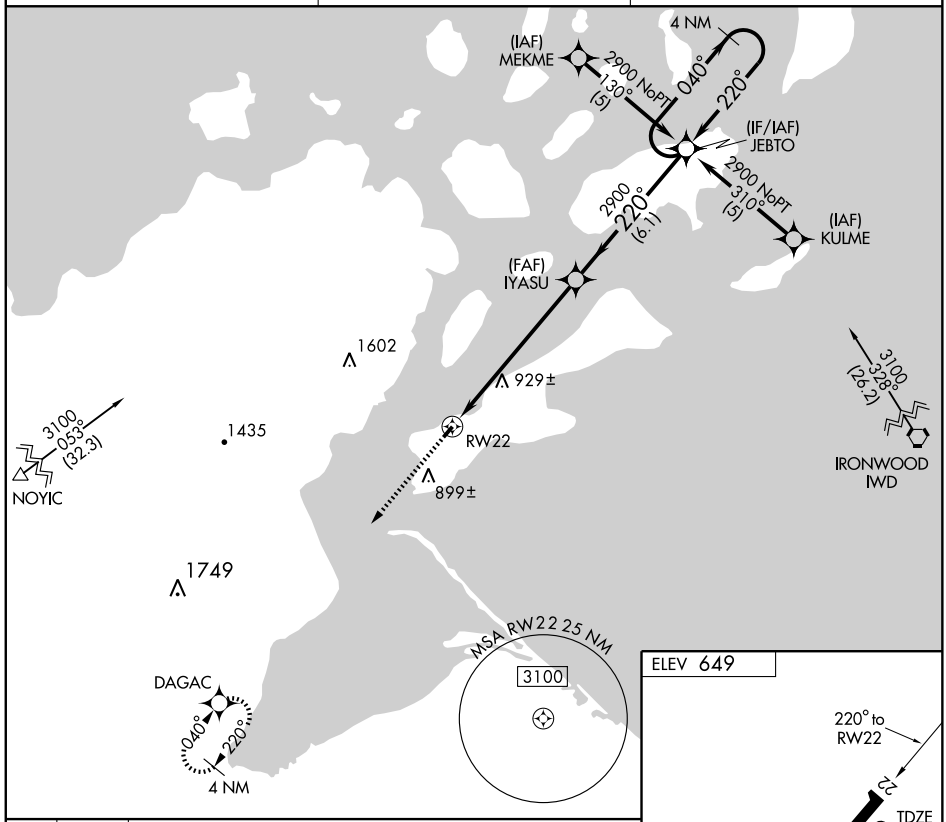
APP CRS	Rwy ldg	3000
220°	TDZE	649
	Apt Elev	649

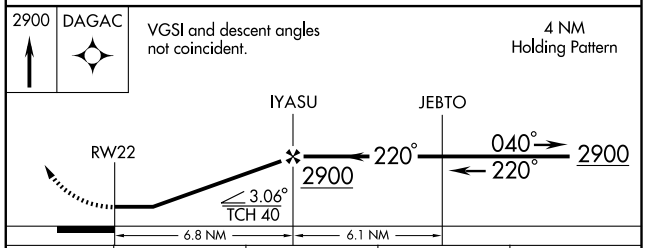
RNAV (GPS) RWY 22
LA POINTE/MADELINE ISLAND (4R5)

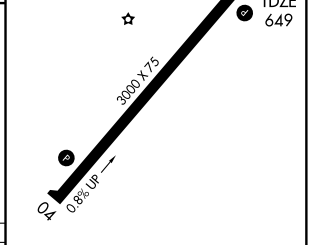
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Ashland altimeter setting; when not received, use Superior altimeter setting and increase all MDAs 80 feet and LNAV and Cat. C Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 2900 direct DAGAC and hold.

ASHLAND ASOS	MINNEANAPOLIS APP CON	CTAF
126.775	133.55	122.9







CATEGORY	A	B	C	D
LNAV MDA	1300-1 651 (700-1)		1300-1¾ 651 (700-1¾)	NA
CIRCLING	1300-1 651 (700-1)		1300-1¾ 651 (700-1¾)	NA

MIRL Rwy 4-22 L

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB RCX	APP CRS	Rwy ldg	4000
356	330°	TDZE	1231
		Apt Elev	1238

NDB or GPS RWY 32

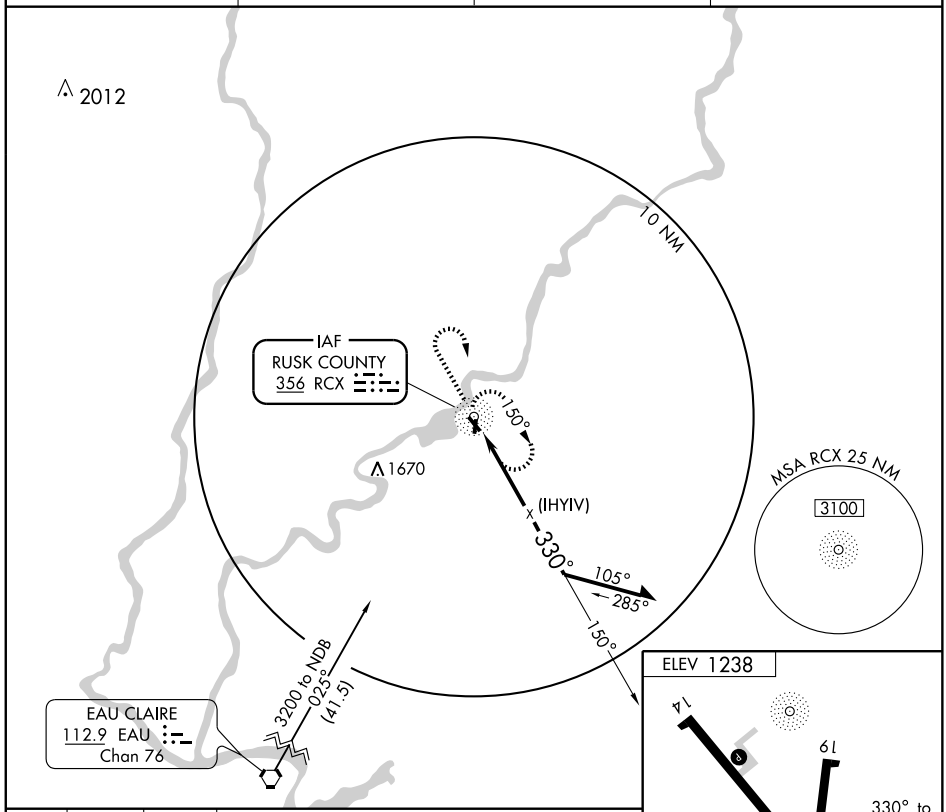
LADYSMITH/ RUSK COUNTY (RCX)

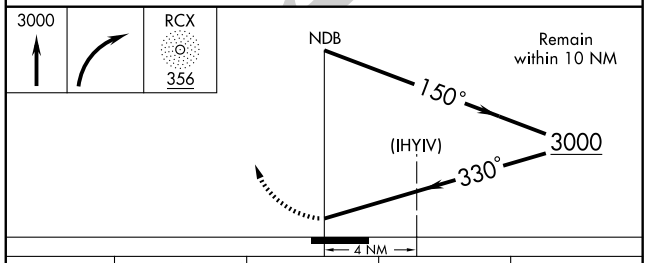
NA

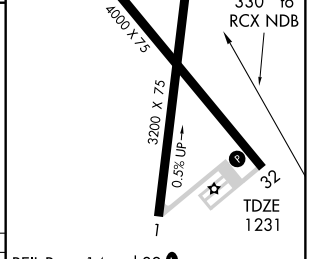
Use Eau Claire altimeter setting.

MISSED APPROACH: Climb to 3000 then right turn direct RCX NDB and hold.

AWOS-3	GREEN BAY RADIO	GCO	UNICOM
118.125	122.3	121.725	122.8 (CTAF) L







REIL Rwys 14 and 32 L
MIRL Rwys 14-32 and 1-19 L

CATEGORY	A	B	C	D
S-32	1940-1	709 (800-1)	1940-2 709 (800-2)	NA
CIRCLING	1940-1	702 (800-1)	1940-2 702 (800-2)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3830
235°	TDZE	835
	Apt Elev	835

RNAV (GPS) RWY 23

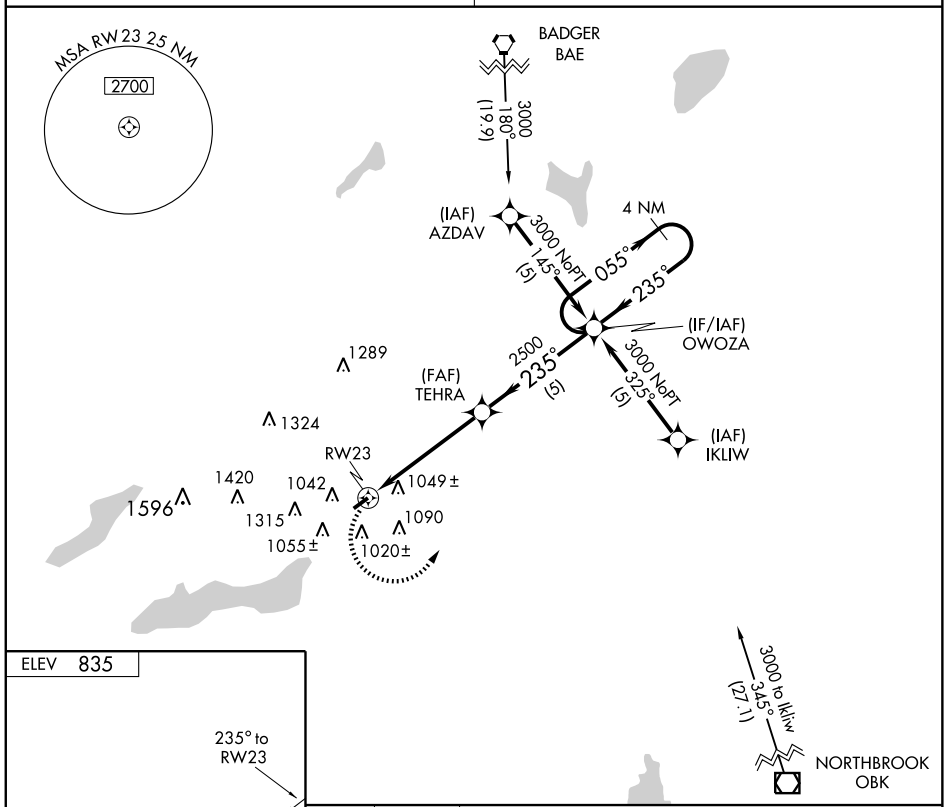
LAKE GENEVA/GRAND GENEVA RESORT (C02)

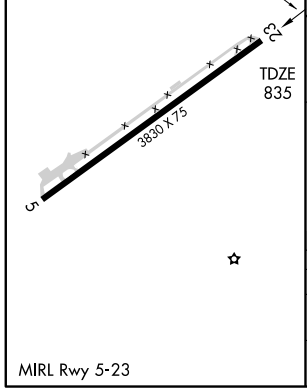
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Use Kenosha altimeter setting.

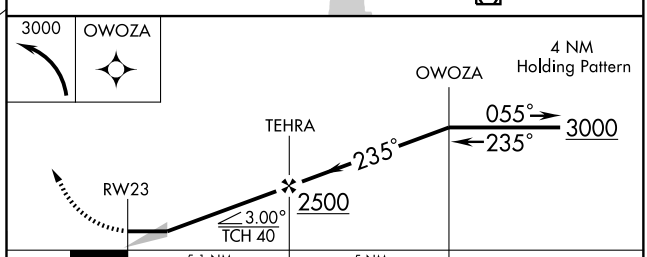
NA

MISSED APPROACH: Climbing left turn to 3000 direct OWOZA WP and hold.

MILWAUKEE APP CON	UNICOM
120.15	**122.8** (CTAF)







CATEGORY	A	B	C	D
LNAV MDA	1360-1 525 (600-1)		1360-1½ 525 (600-1½)	NA
CIRCLING	1500-1 665 (700-1)	1520-1 685 (700-1)	1520-2 685 (700-2)	NA

MIRL Rwy 5-23

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB LNL	APP CRS	Rwy ldg	3800 (day) 3600 (night)
396	150°	TDZE	1704
		Apt Elev	1704

NDB RWY 14

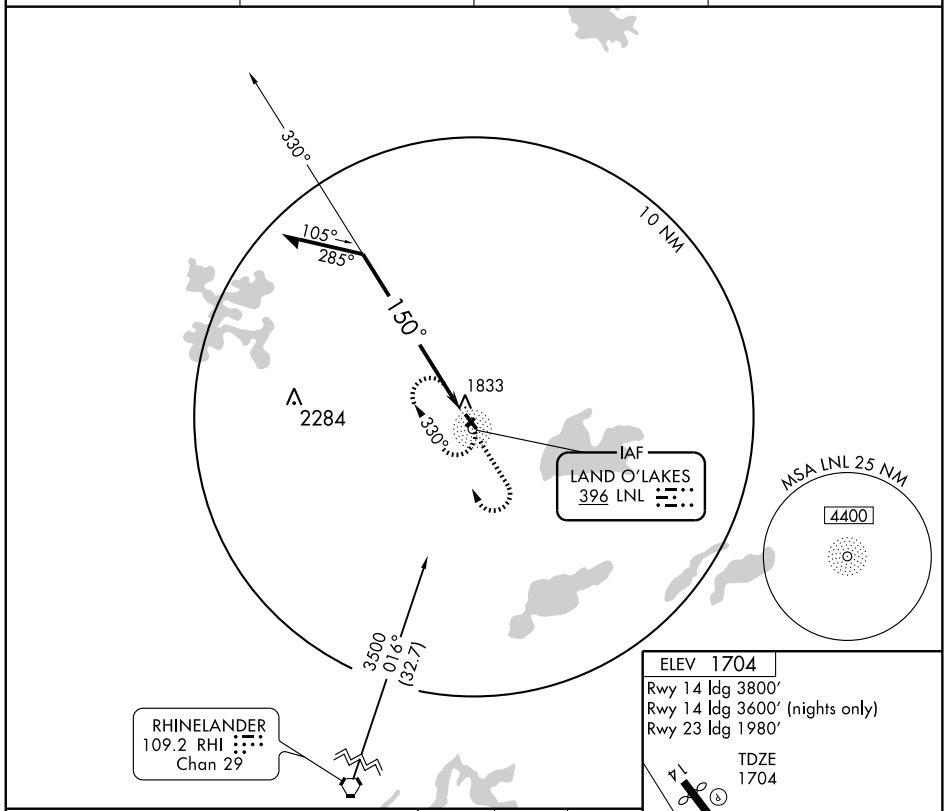
LAND O'LAKES/ KINGS LAND O'LAKES (LNL)

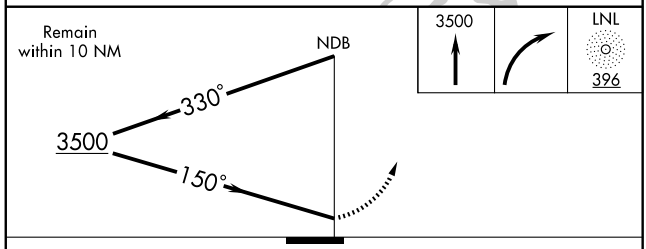
NA

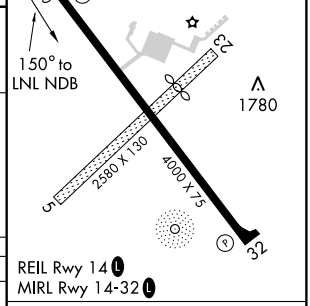
If local altimeter setting not received, use Eagle River Union altimeter setting and increase all MDAs 40 feet. Circling to Rwys 5, 23, and 32 not authorized at night.

MISSED APPROACH: Climb to 3500, then right turn direct LNL NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.525	133.65 281.5	121.725	122.8 (CTAF) L







REIL Rwy 14 L
MIRL Rwy 14-32 L

CATEGORY	A	B	C	D
S-14	2320-1	616 (700-1)	2320-1¾ 616 (700-1¾)	NA
CIRCLING	2320-1	616 (700-1)	2320-1¾ 616 (700-1¾)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

NDB LNL	APP CRS	Rwy ldg	4000
396	314°	TDZE	1704
		Apt Elev	1704

NDB RWY 32

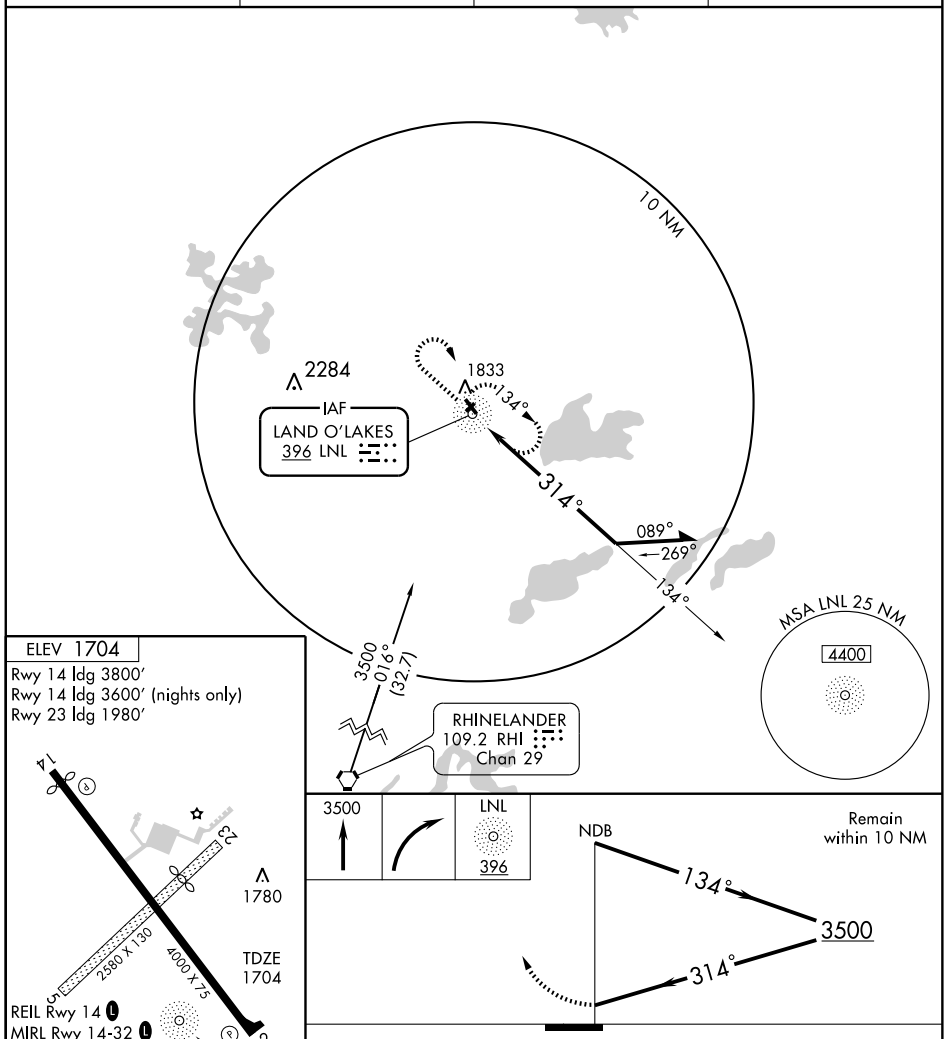
LAND O'LAKES/ KINGS LAND O'LAKES (LNL)

If local altimeter setting not received, use Eagle River Union altimeter setting and increase all MDAs 40 feet.
Straight-in minimums not authorized at night.
Circling to Rwys 5, 23, and 32 not authorized at night.

NA

MISSED APPROACH: Climb to 3500, then right turn direct LNL NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.525	133.65 281.5	121.725	122.8 (CTAF) L



Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-32	2520-1 816 (900-1)	2520-1¼ 816 (900-1¼)	2520-2½ 816 (900-2½)	NA
CIRCLING	2520-1 816 (900-1)	2520-1¼ 816 (900-1¼)	2520-2½ 816 (900-2½)	NA

APP CRS	Rwy ldg	3800 (day) 3600 (night)
145°	TDZE	1704
	Apt Elev	1704

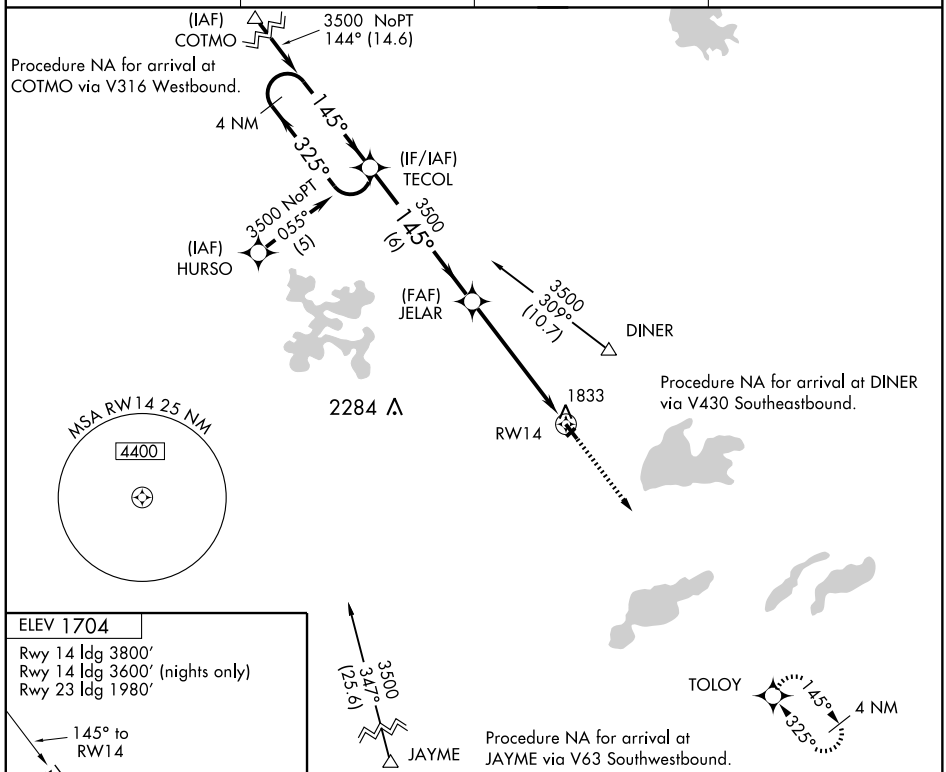
RNAV (GPS) RWY14

LAND O'LAKES/ KINGS LAND O'LAKES (LNL)

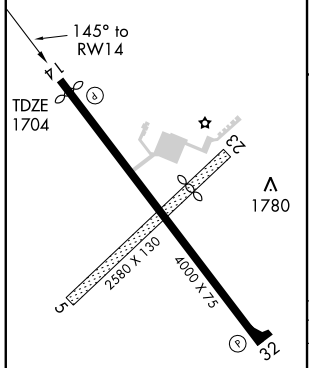
If local altimeter setting not received, use Eagle River Union altimeter setting and increase all MDAs 40 feet.
VDP NA with Eagle River Union altimeter setting.
Circling to Rwy 5, 23 and 32 NA at night.
DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 3500 direct TOLOY and hold.

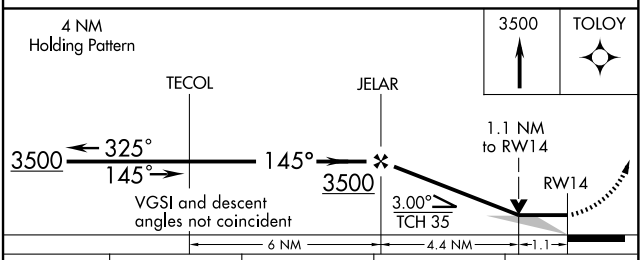
AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.525	133.65 281.5	121.725	122.8 (CTAF) L



ELEV 1704
Rwy 14 ldg 3800′
Rwy 14 ldg 3600′ (nights only)
Rwy 23 ldg 1980′



REIL Rwy 14 L
MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LNAV MDA	2220-1 516 (600-1)		2220-1½ 516 (600-1½)	NA
CIRCLING	2220-1 516 (600-1)	2240-1 536 (600-1)	2240-1½ 536 (600-1½)	NA

APP CRS	Rwy ldg	4000
325°	TDZE	1704
	Apt Elev	1704

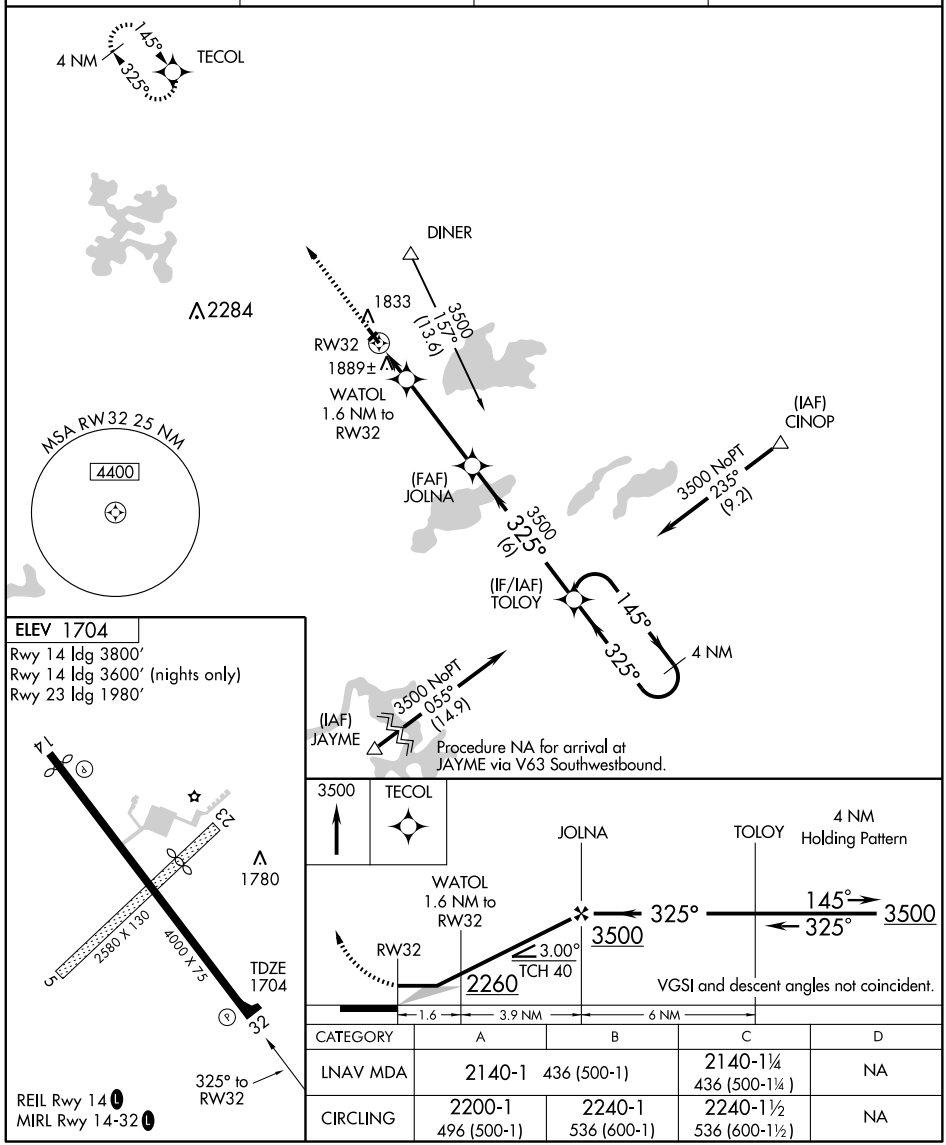
RNAV (GPS) RWY 32

LAND O'LAKES/ KINGS LAND O'LAKES (LNL)

If local altimeter setting not received, use Eagle River Union altimeter setting and increase all MDAs 40 feet.
Straight-in minimums NA at night.
Circling to Rwys 5, 23, and 32 NA at night.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct TECOL and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.525	133.65 281.5	121.725	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	2140-1 436 (500-1)		2140-1¼ 436 (500-1¼)	NA
CIRCLING	2200-1 496 (500-1)	2240-1 536 (600-1)	2240-1½ 536 (600-1½)	NA

LOC/DME I-LNR 108.35 Chan 20 (Y)	APP CRS 270°	Rwy ldg 5001 TDZE 717 Apt Elev 717

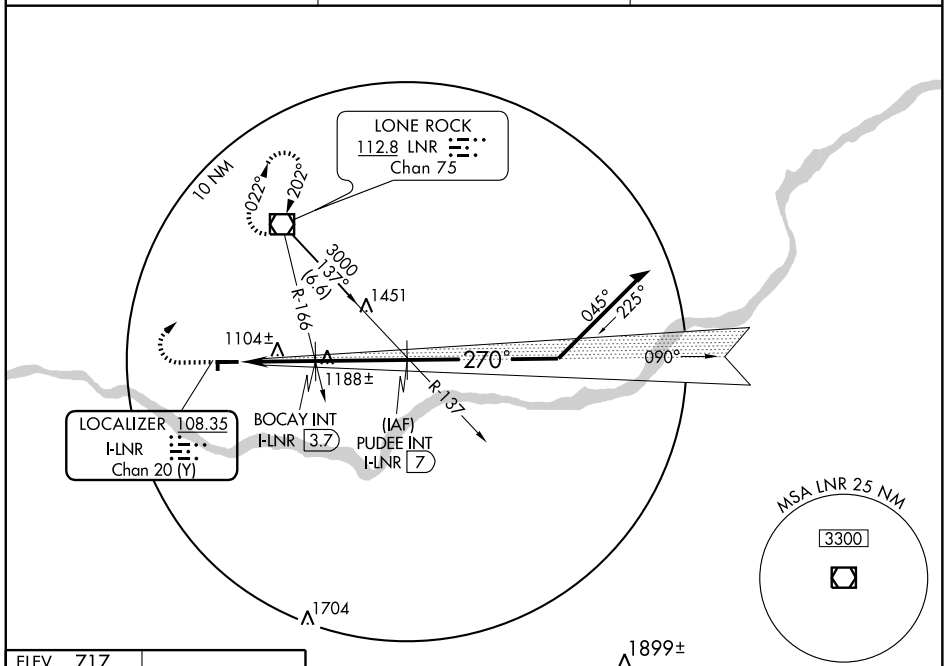
LOC RWY 27

LONE ROCK/TRI-COUNTY RGNL (LNR)

T A NA — If local altimeter setting not received, use Boscobel altimeter setting and increase all MDAs 60 feet. Visibility reduction by helicopters NA.

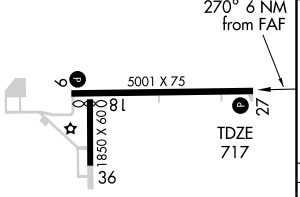
MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct LNR VOR/DME and hold.

ASOS	MADISON APP CON ★	UNICOM
119.425	135.45 343.7	123.0 (CTAF) L



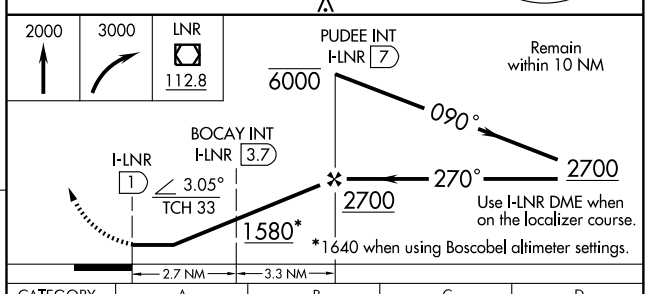
ELEV 717

Rwy 18 ldg 1720′



MIRL Rwys 9-27 and 18-36 L

FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00



CATEGORY	A	B	C	D
S-27	1580-1 863 (900-1)	1580-1¼ 863 (900-1¼)	1580-2½ 863 (900-2½)	NA
CIRCLING	1580-1 863 (900-1)	1580-1¼ 863 (900-1¼)	1580-2½ 863 (900-2½)	NA
BOCAY FIX MINIMUMS				
S-27	1360-1 643 (700-1)		1360-1¾ 643 (700-1¾)	NA
CIRCLING	1500-1 783 (800-1)	1500-1¼ 783 (800-1¼)	1500-2¼ 783 (800-2¼)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 78206 W09A	APP CRS 090°	Rwy ldg 5001 TDZE 717 Apt Elev 717

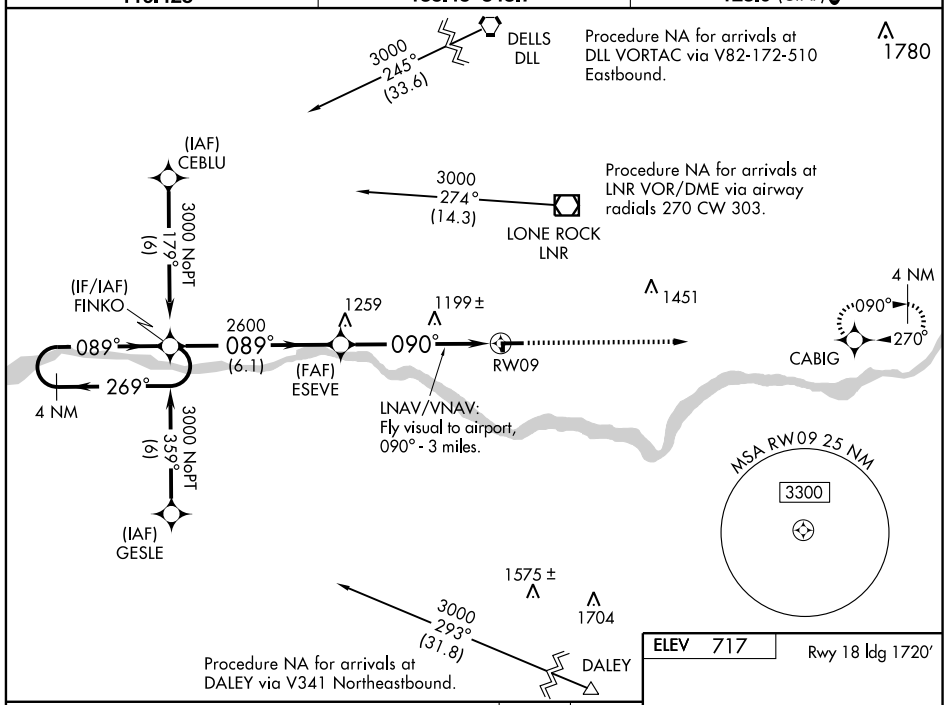
RNAV (GPS) RWY 9

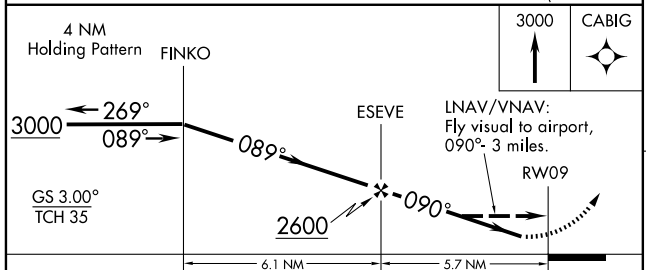
LONE ROCK/ TRI-COUNTY RGNL (LNR)

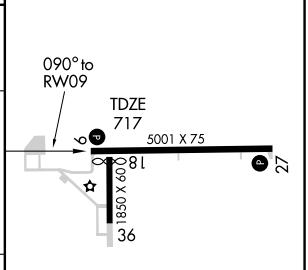
Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 54° C (130° F). When local altimeter setting not received, use Boscobel altimeter setting and increase all DAs/MDAs 60 feet, and all visibilities ¼ mile. Baro-VNAV NA when using Boscobel altimeter setting.

MISSED APPROACH: Climb to 3000 direct CABIG and hold.

ASOS	MADISON APP CON ★	UNICOM
119.425	135.45 343.7	123.0 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	994-1 277 (300-1)			NA
LNAV/VNAV DA	1659-2 942 (1000-2)		1659-2¾ 942 (1000-2¾)	NA
LNAV MDA	1460-1 743 (800-1)	1460-1¼ 743 (800-1¼)	1460-2¼ 743 (800-2¼)	NA
CIRCLING	1520-1 803 (900-1)	1520-1¼ 803 (900-1¼)	1520-2¼ 803 (900-2¼)	NA

MIRL Rwys 9-27 and 18-36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 69506 W27A	APP CRS 270°	Rwy ldg 5001 TDZE 717 Apt Elev 717

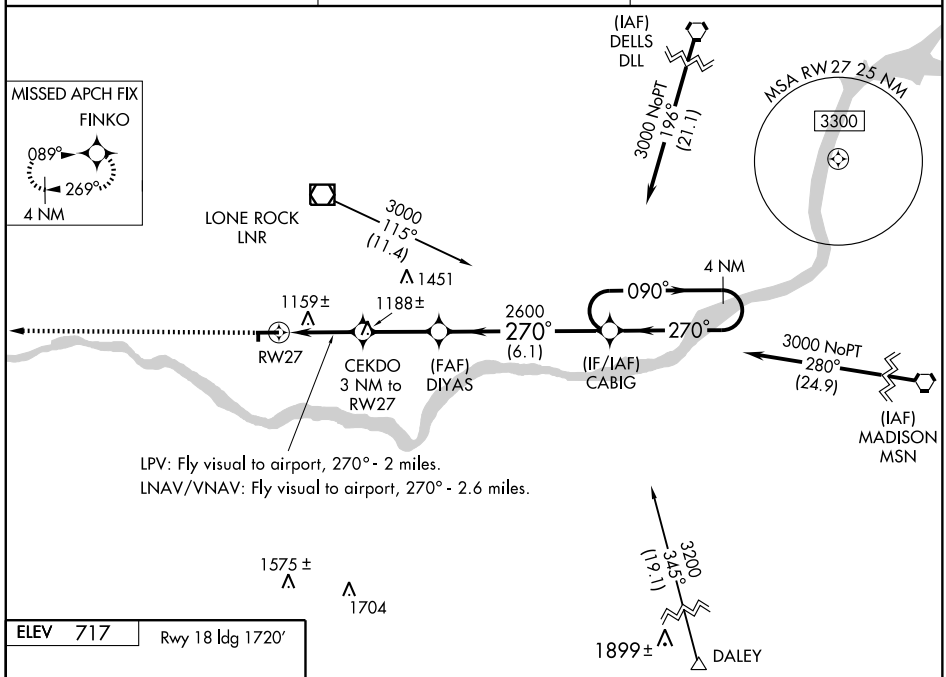
RNAV (GPS) RWY 27

LONE ROCK/ TRI-COUNTY RGNL (LNR)

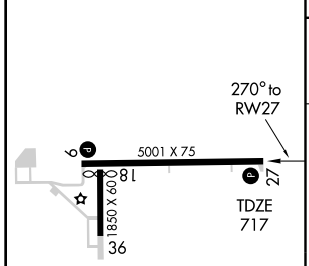
Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16° C (4° F) or above 54° C (130° F). When local altimeter setting not received, use Boscobel altimeter setting and increase all DAs/MDAs 60 feet, and all visibilities ¼ mile. Baro-VNAV NA when using Boscobel altimeter setting.

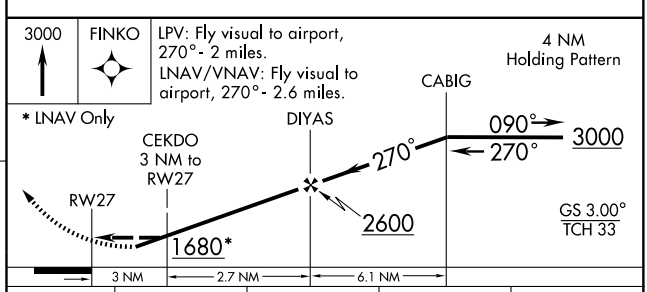
MISSED APPROACH: Climb to 3000 direct FINKO and hold.

ASOS	MADISON APP CON ★	UNICOM
119.425	135.45 343.7	123.0 (CTAF) L



ELEV 717 Rwy 18 ldg 1720'





CATEGORY	A	B	C	D
LPV DA	1375-2 658 (700-2)			NA
LNAV/VNAV DA	1584-2 867 (900-2)		1584-2½ 867 (900-2½)	NA
LNAV MDA	1420-1 703 (800-1)		1420-2 703 (800-2)	NA
CIRCLING	1520-1 803 (900-1)	1520-1¼ 803 (900-1¼)	1520-2¼ 803 (900-2¼)	NA

MIRL Rwys 9-27 and 18-36 L

EC-3. 14 JAN 2010 to 11 FEB 2010

VOR/DME LNR 112.8 Chan 75	APP CRS 203°	Rwy ldg N/A TDZE N/A Apt Elev 717

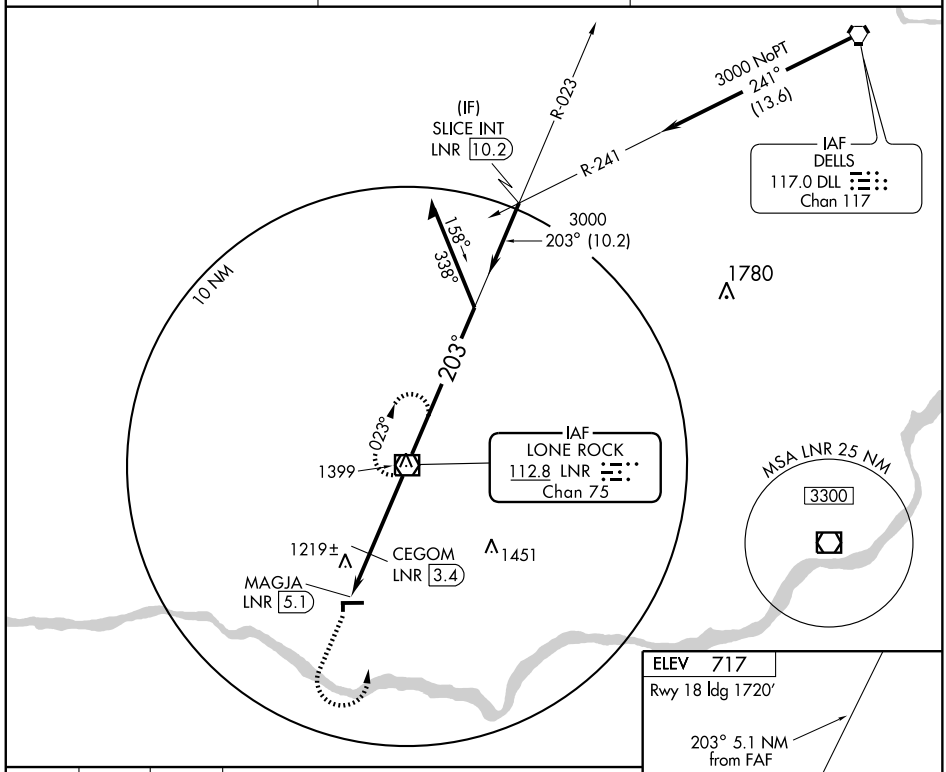
VOR-A

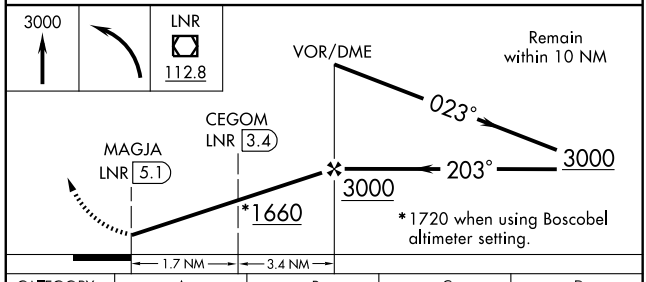
LONE ROCK/ TRI-COUNTY RGNL (LNR)

When local altimeter setting not received, use Boscobel altimeter setting and increase all MDAs 60 feet, and all visibilities ¼ mile.

MISSED APPROACH: Climb to 3000 then left turn direct LNR VOR/DME and hold.

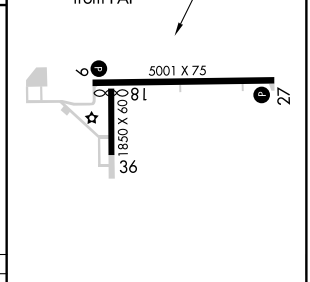
ASOS	MADISON APP CON ★	UNICOM
119.425	135.45 343.7	123.0 (CTAF) L





CATEGORY	A	B	C	D
CIRCLING	1660-1¼ 943 (1000-1¼)		1660-2¾ 943 (1000-2¾)	NA
CEGOM FIX MINIMUMS				
CIRCLING	1520-1 803 (900-1)	1520-1¼ 803 (900-1¼)	1520-2¼ 803 (900-2¼)	NA

ELEV 717
Rwy 18 ldg 1720′



MIRL Rwys 9-27 and 18-36 L

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

VORTAC MSN	APP CRS	Rwy Idg	N/A
108.6	106°	TDZE	N/A
Chan 23		Apt Elev	920

VOR or GPS-A

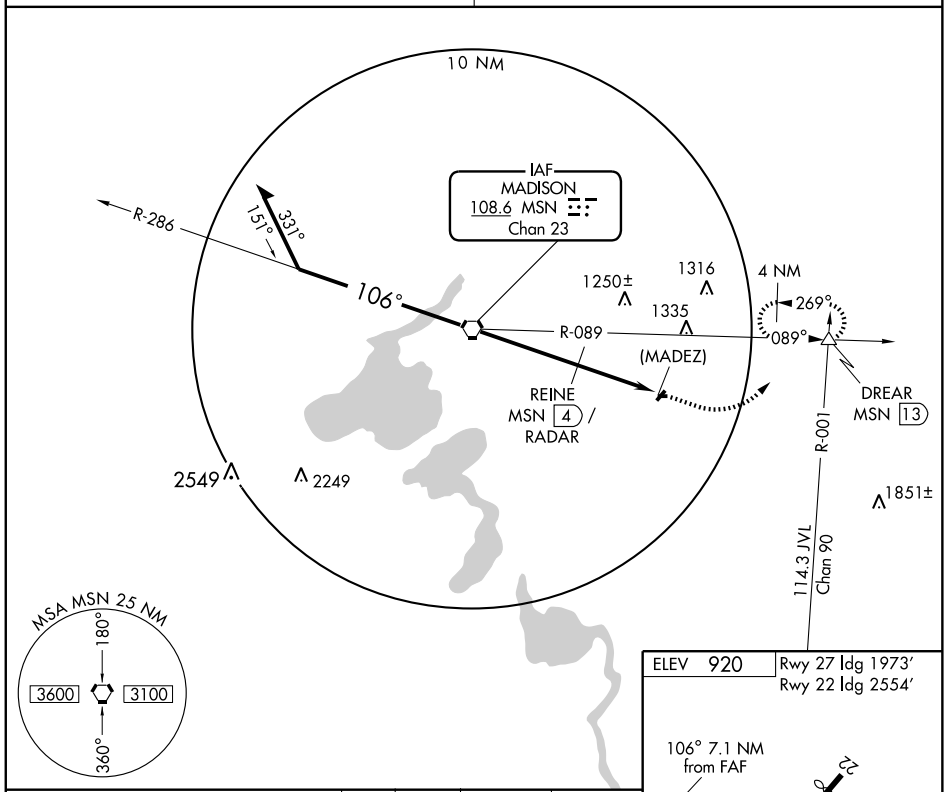
MADISON/BLACKHAWK AIRFIELD (87Y)

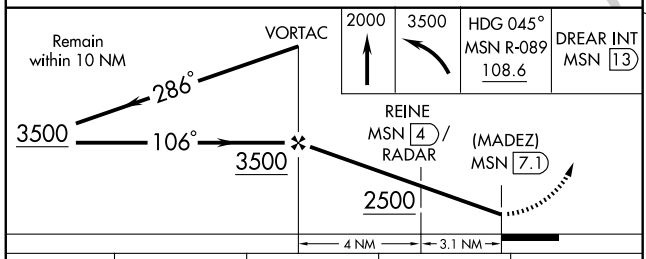
NA

Use Madison Dane County altimeter setting.
No Procedure Turn for arrivals on MSN VORTAC radials 231 clockwise 351.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3500 via heading 045° and MSN R-089 to DREAR Int/MSN 13 DME and hold.

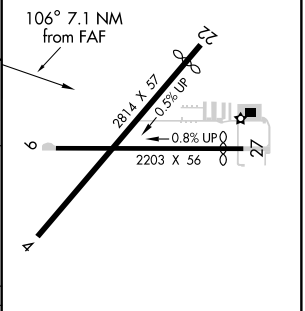
MADISON APP CON ★	UNICOM
120.1 343.7	122.7 (CTAF)





2000	3500	HDG 045° MSN R-089 108.6	DREAR INT MSN 13

ELEV 920 | Rwy 27 ldg 1973′ | Rwy 22 ldg 2554′



LIRL Rwy 9-27

CATEGORY	A	B	C	D
CIRCLING	2500-1¼ 1580 (1600-1¼)	2500-1½ 1580 (1600-1½)	NA	
REINE FIX MINIMUMS				
CIRCLING	1460-1 540 (600-1)	1520-1 600 (600-1)	NA	

FAF to MAP 7.1 NM

Knots	60	90	120	150	180
Min:Sec	7:06	4:44	3:33	2:50	2:22

EC-3. 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

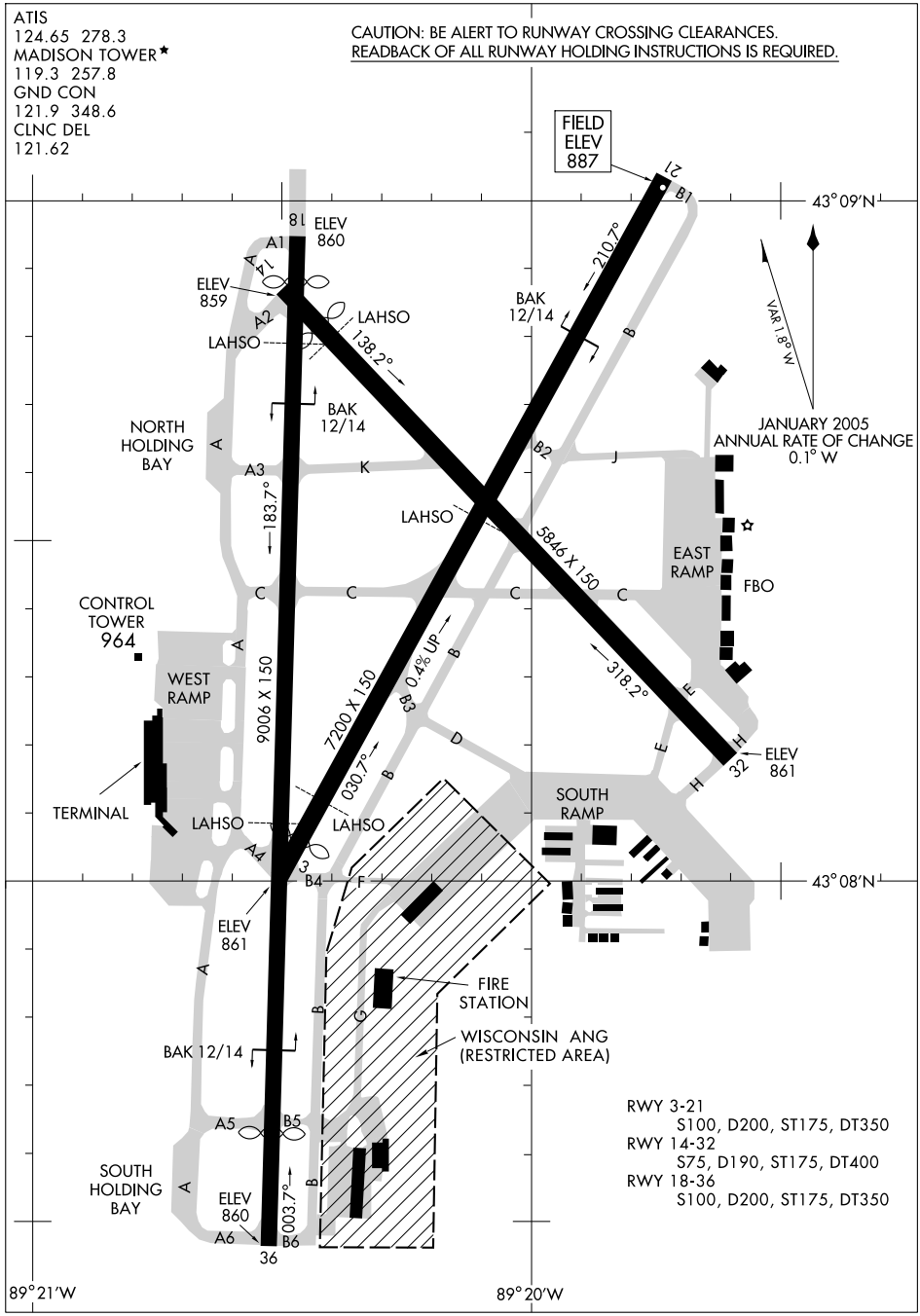
MADISON/DANE COUNTY RGNL TRUAX FIELD (MSN)

AL-245 (FAA)

MADISON, WISCONSIN

ATIS
124.65 278.3
MADISON TOWER★
119.3 257.8
GND CON
121.9 348.6
CLNC DEL
121.62

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



RWY 3-21
S100, D200, ST175, DT350
RWY 14-32
S75, D190, ST175, DT400
RWY 18-36
S100, D200, ST175, DT350

HI-TACAN RWY 18

VORTAC MSN	APCH CRS	Rwy ldg / TDZE / Arpt Elev
108.6 Chan 23	173°	9006 / 860 / 887

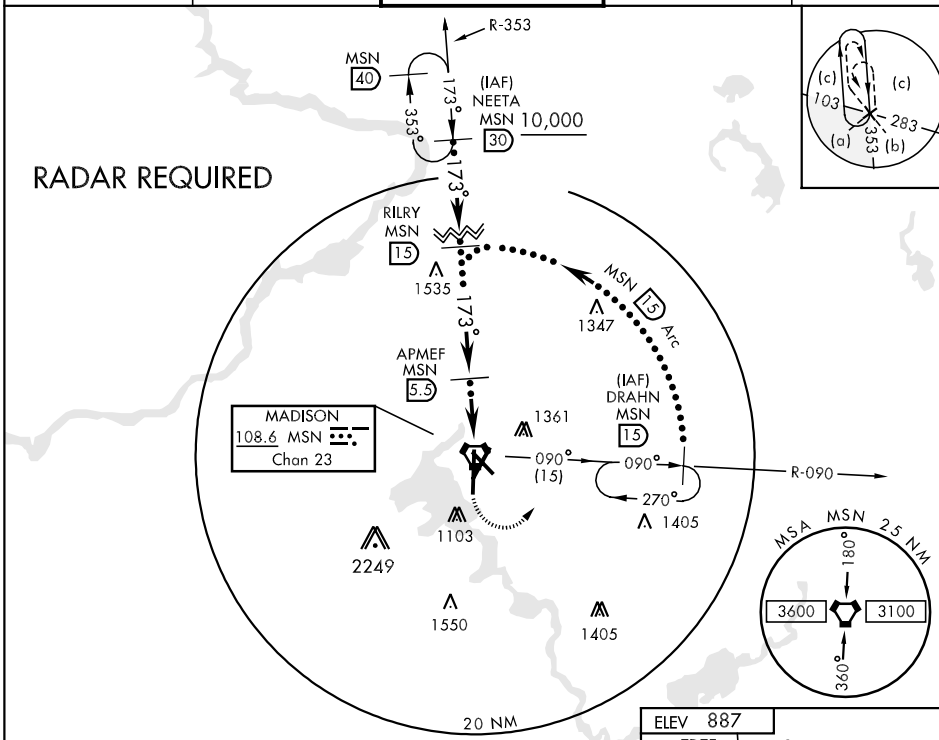
JAL-245 [USAF]

MADISON/ DANE COUNTY REGIONAL-TRUAX FIELD (KMSN)

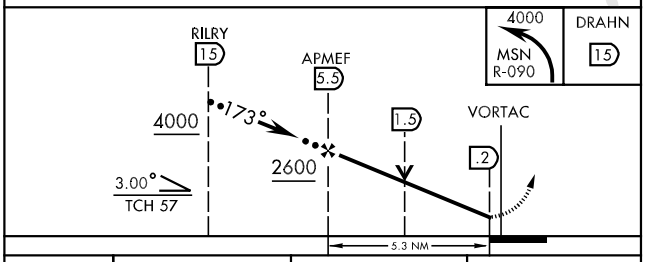
MALSR

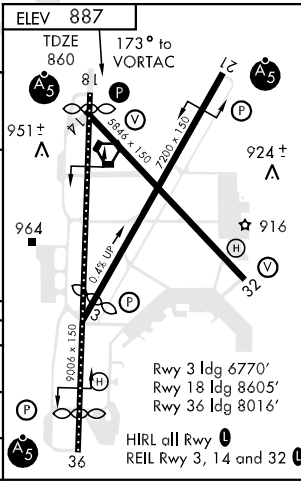
MISSED APPROACH: Climbing left turn to 4000 via MSN R-090 to DRAHN 15 DME and hold.

ATIS	MADISON APP CON	MADISON TOWER ★	GND CON	ASR
124.65 278.3	120.1 350.3	119.3 (CTAF) 257.8	121.9 348.6	



EMERG SAFE ALT 100 NM 3600





CATEGORY	C	D	E
S-18	1340/40 480 (500-¾)	1340/50 480 (500-1)	1340/60 480 (500-1¼)
CIRCLING	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1680-2¾ 793 (800-2¾)
S-ASR 18	1340/40 480 (500-¾)	1340/50 480 (500-1)	1340/60 480 (500-1¼)

HI-TACAN RWY 36

VORTAC MSN	APCH CRS	Rwy ldg	9006
108.6	001°	TDZE	862
Chan 23		Arpt Elev	887

JAL-245 [USAF]

MADISON/ DANE COUNTY REGIONAL-TRUAX FIELD (KMSN)

MALSR

MISSED APPROACH: Climbing right turn to 4000 via MSN R-090 to DRAHN 15 DME and hold.

ATIS	MADISON APP CON	MADISON TOWER ★	GND CON	ASR
124.65 278.3	120.1 350.3	119.3 L (CTAF) 257.8	121.9 348.6	

RADAR REQUIRED

20 NM

1535

1347

(IAF) DRAHN MSN 15

MADISON 108.6 MSN Chan 23

1361

090° (15)

090°

R-090

270°

1103

2249

OTRIW MSN 6.4

1405

001°

1550

1405

Arc

MSN 15

PINHI MSN 15

001°

(IAF) TRICE MSN 30

10,000

181°

001°

MSN 40

R-181

(a) 181 (b) 251 071 (c) (c)

MSA MSN 25 NM 180° 3600 3100 360°

EMERG SAFE ALT 100 NM 3600

4000 MSN R-090

DRAHN 15

PINHI 15

OTRIW 6.4

VORTAC

2.3

001°

4000

1.1

2600

3.00° TCH 59

5.3 NM

ELEV 887

18

P V

A5

951±

4

5986 x 150

7200 x 150

924±

964

916

H

V

0.4% UP

32

C

P

9006 x 150

H

P

A5

36

TDZE 862

Rwy 3 ldg 6770′
Rwy 18 ldg 8605′
Rwy 36 ldg 8016′

HIRL all Rwy L
REIL Rwy 3, 14 and 32 L

001° 5.3 NM from FAF

CATEGORY	C	D	E
S-36	1320/40 458 (500-¾)	1320/50 458 (500-1)	
CIRCLING	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1680-2¾ 793 (800-2¾)
S-ASR 36	1360/40 498 (500-¾)	1360/50 498 (500-1)	1360/60 498 (500-1¼)

LOC I-DSZ	APP CRS	Rwy ldg	8606
110.1	182°	TDZE	860
		Apt Elev	887

ILS or LOC/DME RWY 18

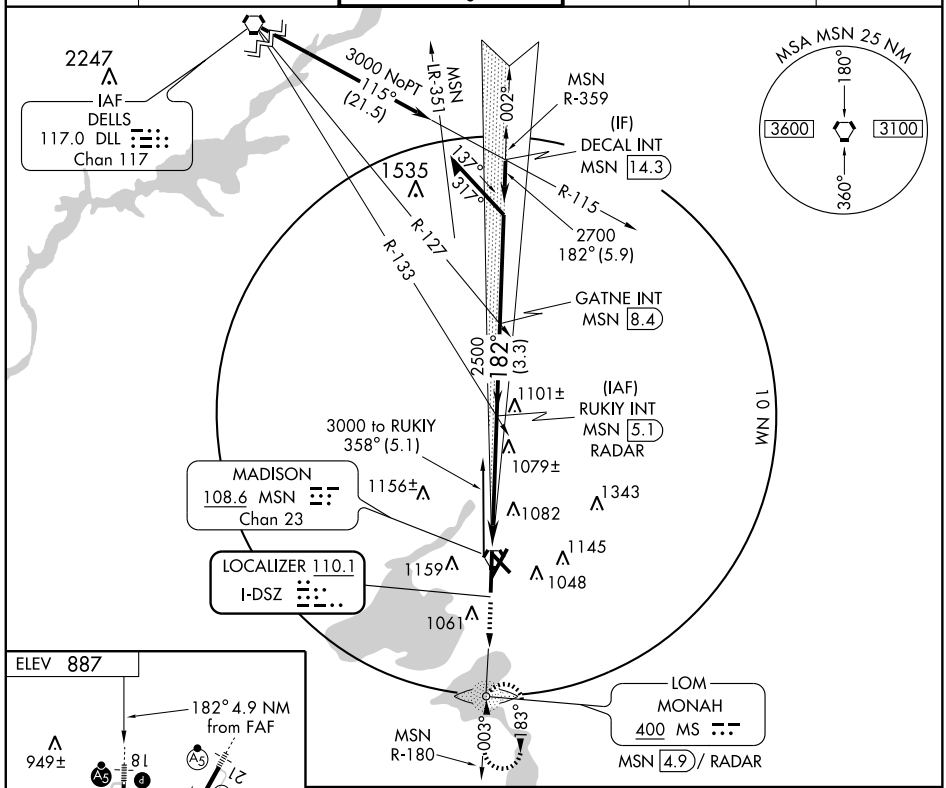
MADISON / DANE COUNTY RGNL-TRUAX FIELD (MSN)

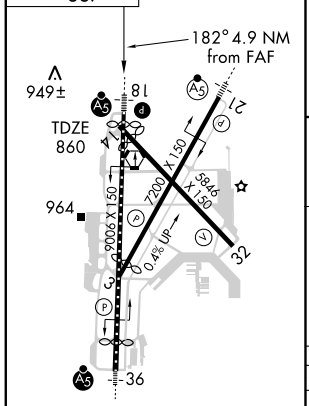
ASR: When ALS inoperative, increase Cat. E S-ILS visibility ¼ mile and S-LOC ½ mile. ADF or RADAR REQUIRED. MSN DME required for procedure turn. * Vis Cat A/B/C/D RVR 1800 authorized with the use of FD or AP or HUD to DA.

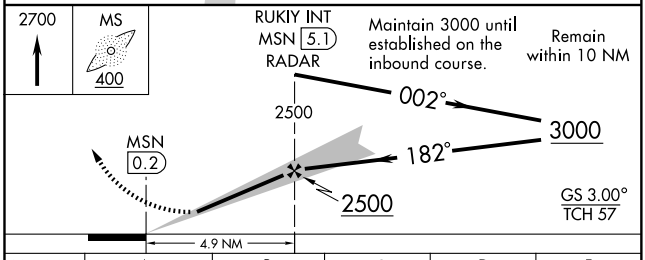
MALSR

MISSED APPROACH: Climb to 2700 direct MONAH LOM/MSN 4.9 DME/RADAR and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D	E
S-ILS 18	*1060/24 200 (200-½)				
S-LOC 18	1340/24 480 (500-½)		1340/40 480 (500-¾)	1340/50 480 (500-1)	1340/60 480 (500-1¼)
CIRCLING	1420-1 533 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1700-3 813 (900-3)

HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-MSN	APP CRS	Rwy ldg	8017
109.9	002°	TDZE	862
		Apt Elev	887

ILS or LOC/DME RWY 36

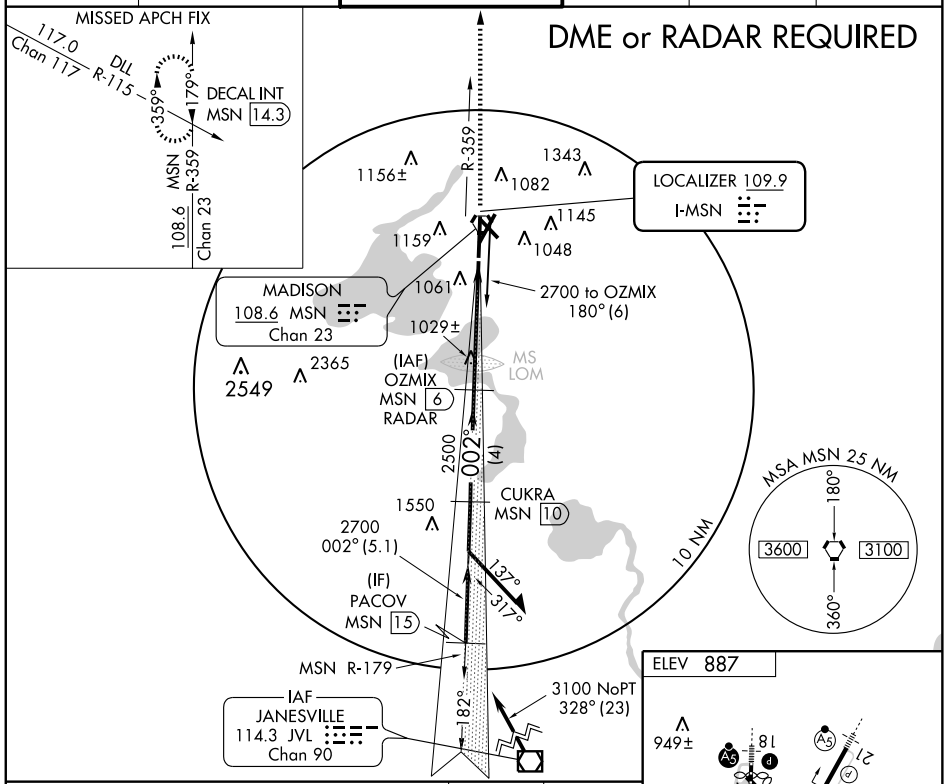
MADISON / DANE COUNTY RGNL-TRUAX FIELD (MSN)

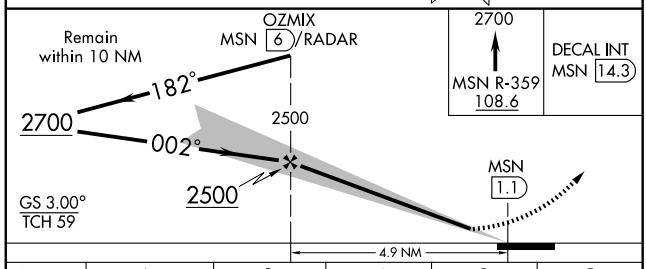
ASR: When ALS inoperative, increase Cat E S-ILS ¼ mile and S-LOC ½ mile. * Vis Cat A/B/C/D RVR 1800 authorized with the use of FD or AP or HUD to DA.

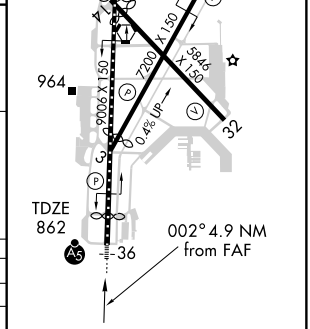
MALSR

MISSED APPROACH: Climb to 2700 via MSN VORTAC R-359 to DECAL Int/MSN 14.3 DME and hold.

ATIS	MADISON APP CON *	MADISON TOWER *	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D	E
S-ILS 36	*1062/24 200 (200-½)				
S-LOC 36	1280/24 418 (400-½)		1280/40 418 (400-¾)		1280/50 418 (400-1)
CIRCLING	1420-1 533 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1700-3 813 (900-3)

HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

LOC/DME I-DQJ	APP CRS	Rwy ldg	7200
111.55	211°	TDZE	887
Chan 52 (Y)		Apt Elev	887

ILS or LOC RWY 21

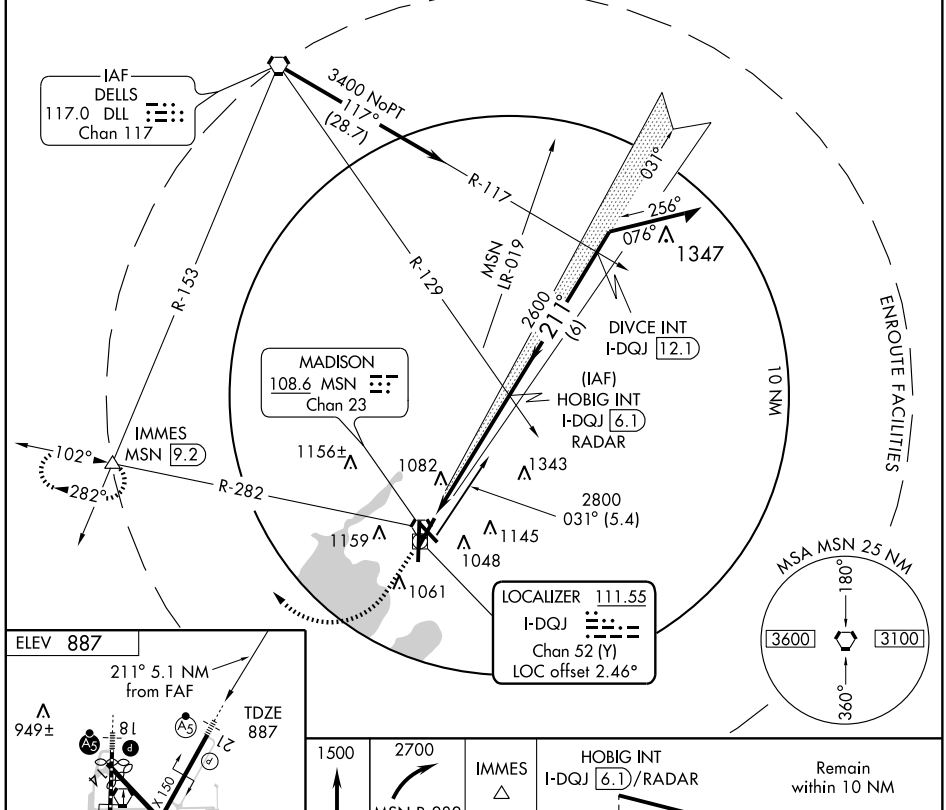
MADISON / DANE COUNTY RGNL-TRUAX FIELD (MSN)

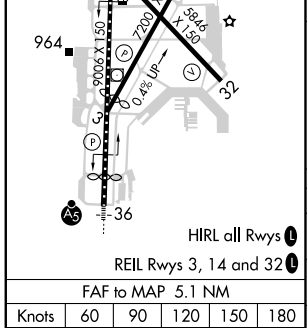
ASR

MALSR

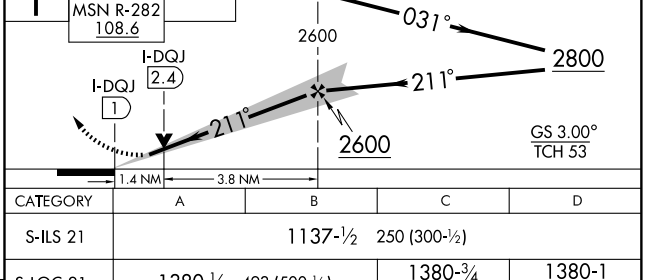
MISSED APPROACH: Climb to 1500, then climbing right turn to 2700 via MSN R-282 to IMMES Int/MSN 9.2 DME and hold

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42



CATEGORY	A	B	C	D
S-ILS 21	1137-½ 250 (300-½)			
S-LOC 21	1380-½ 493 (500-½)		1380-¾ 493 (500-¾)	1380-1 493 (500-1)
CIRCLING	1420-1 533 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)

APP CRS	Rwy ldg	5371
136°	TDZE	861
	Apt Elev	887

RNAV (GPS) RWY 14

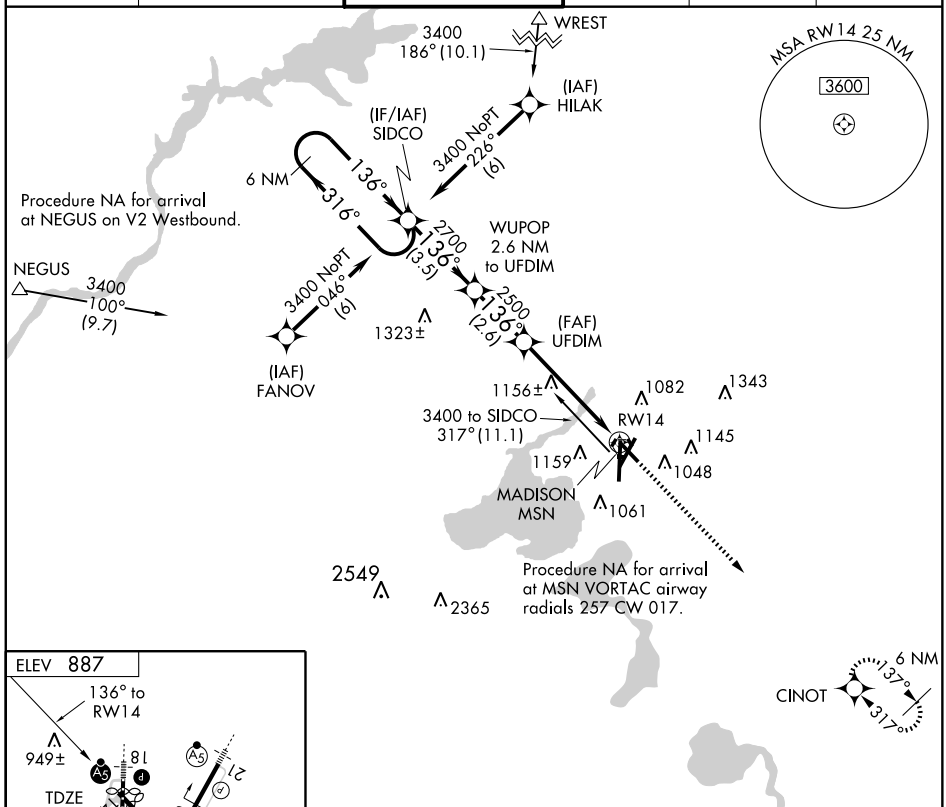
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

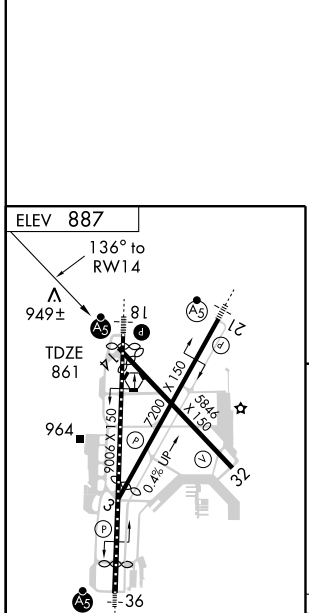
NA
ASR

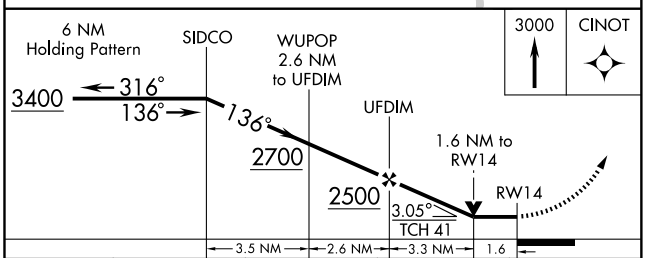
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct CINOT WP and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D
LNAV MDA	1420-1 559 (600-1)		1420-1½ 559 (600-1½)	1420-1¾ 559 (600-1¾)
CIRCLING	1420-1 533 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)

HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	8606
182°	TDZE	860
	Apt Elev	887

RNAV (GPS) RWY 18

MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

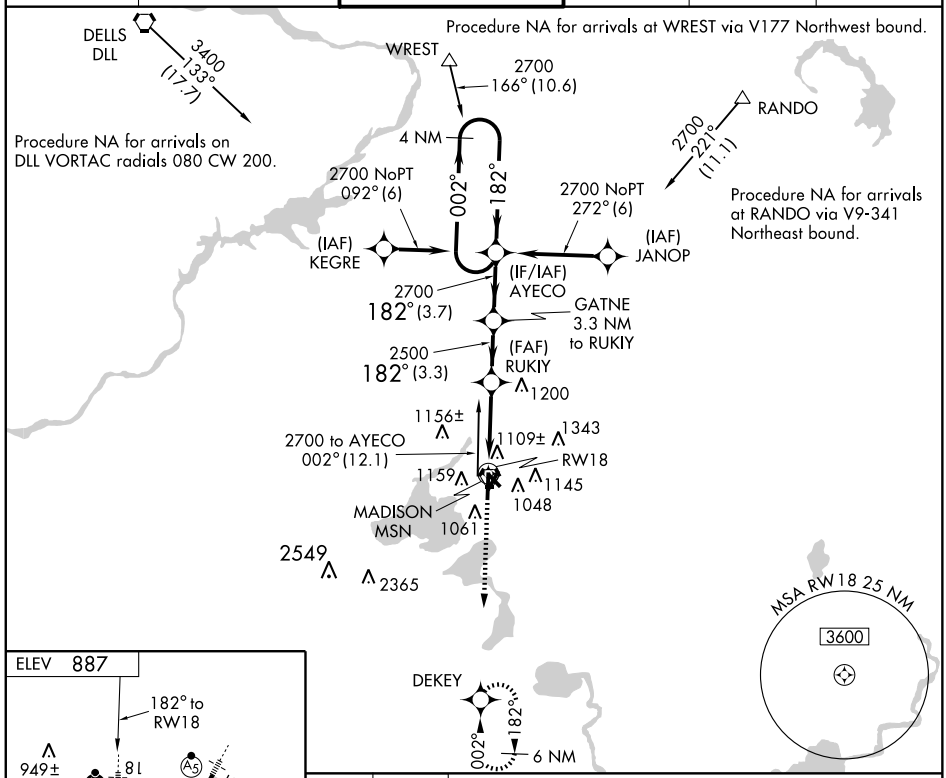
W T ASR A NA

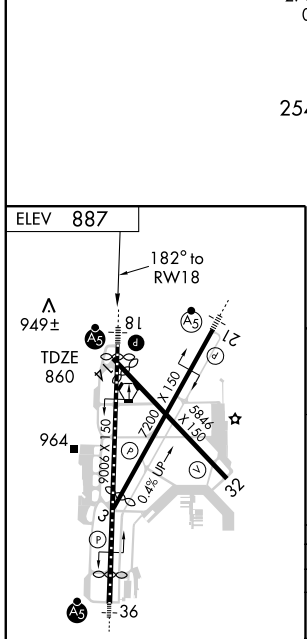
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Baro-VNAV NA below -16° C (4° F).

MALSR A5

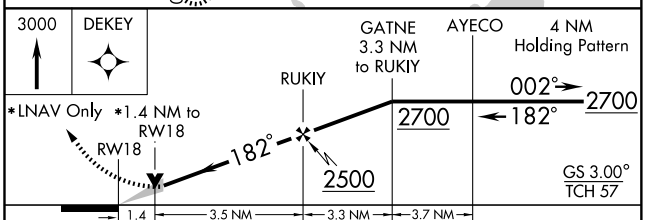
MISSED APPROACH: Climb to 3000 direct to DEKEY WP and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





HIRL all Rwys L
REIL Rwys 3, 14 and 32 L



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1420-1½ 560 (600-1½)			
LNAV MDA	1360/24 500 (500-½)		1360/40 500 (500-¾)	1360/50 500 (500-1)
CIRCLING	1420-2 533 (600-2)	1460-2 573 (600-2)		

APP CRS	Rwy ldg	7200
209°	TDZE	887
	Apt Elev	887

RNAV (GPS) RWY 21
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

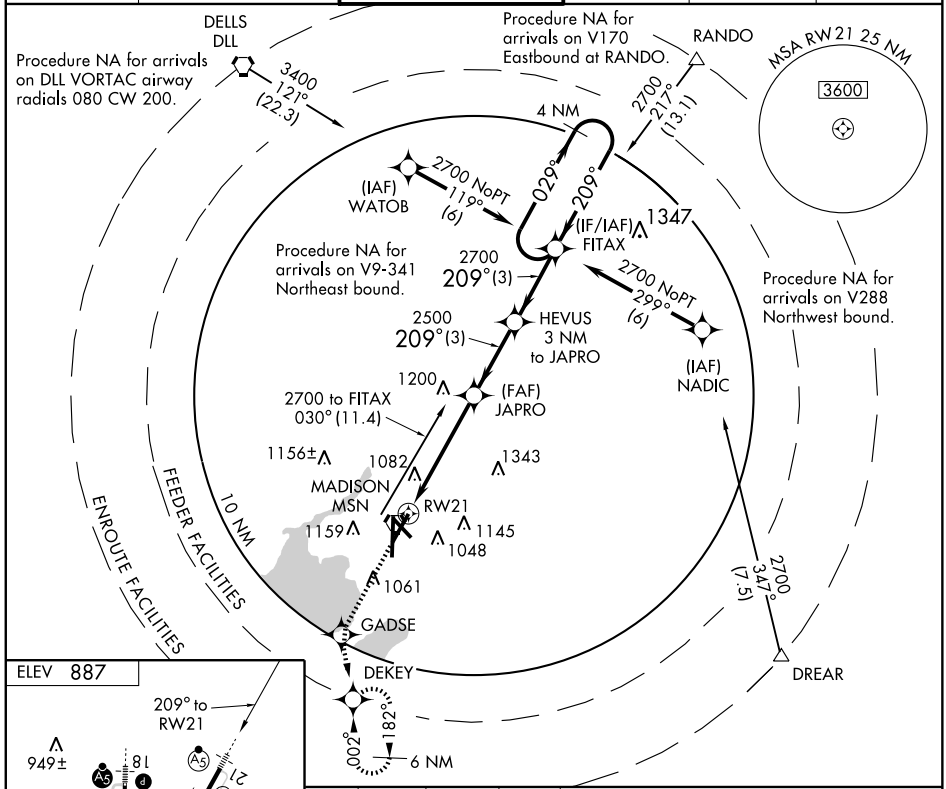
W T ASR A NA

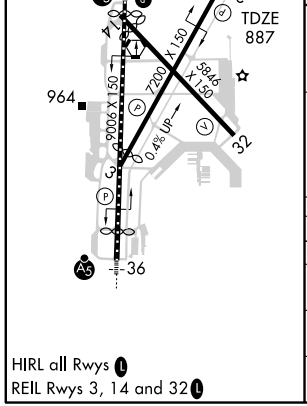
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Baro-VNAV NA below -16° C (4° F).

MALSR

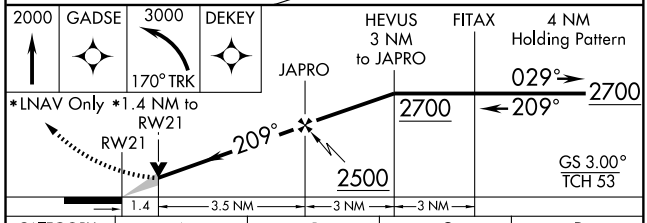
MISSED APPROACH: Climb to 2000 direct GADSE WP then climbing left turn to 3000 and via 170° track to DEKEY WP and hold.

ATIS	MADISON APP CON★	MADISON TOWER★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





HIRL all Rwys L
REIL Rwys 3, 14 and 32 L



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1380-1¼ 493 (500-1¼)			
LNAV MDA	1380-½ 493 (500-½)		1380-¾ 493 (500-¾)	1380-1 493 (500-1)
CIRCLING	1420-1¾ 533 (600-1¾)	1460-1¾ 573 (600-1¾)		1460-2 573 (600-2)

APP CRS	Rwy ldg	5846
316°	TDZE	861
	Apt Elev	887

RNAV (GPS) RWY 32

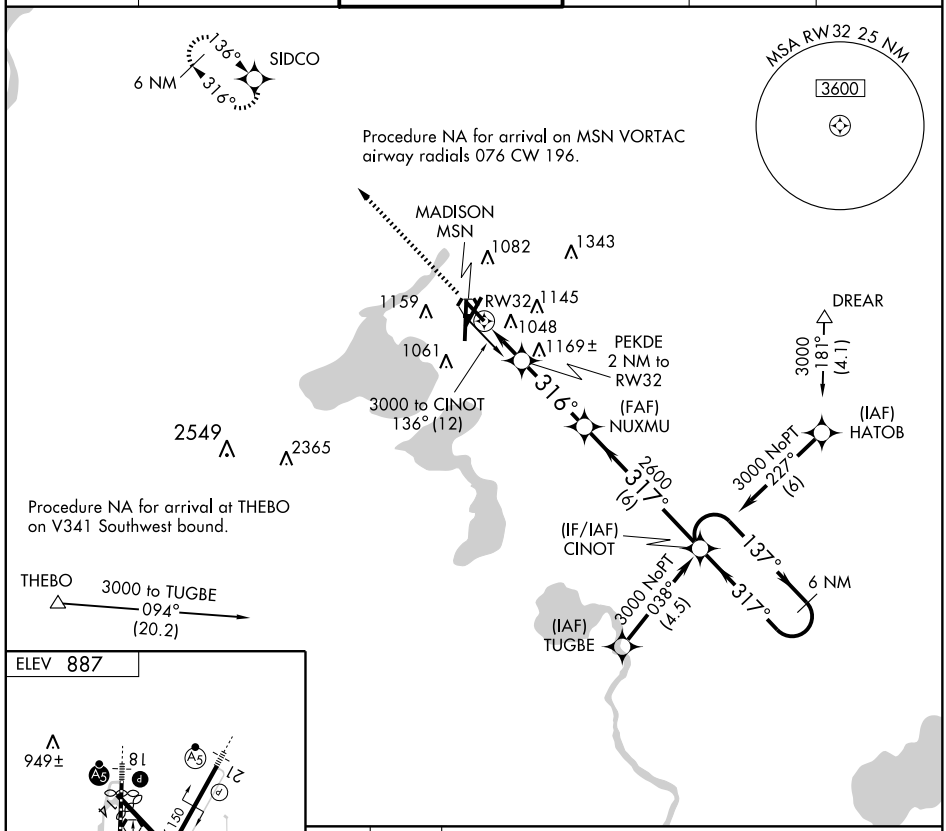
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

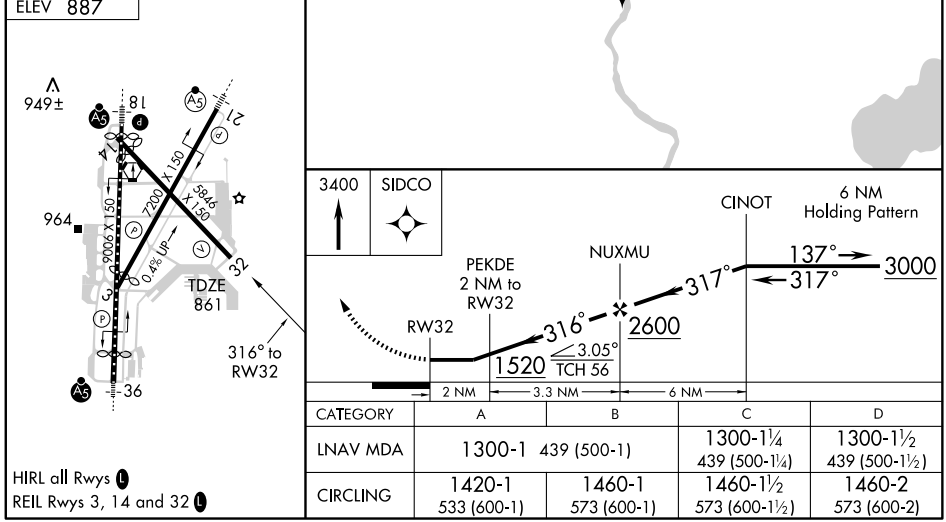
NA
ASR

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3400 direct SIDCO WP and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





CATEGORY	A	B	C	D
LNAV MDA	1300-1 439 (500-1)		1300-1¼ 439 (500-1¼)	1300-1½ 439 (500-1½)
CIRCLING	1420-1 533 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)

HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	8017
002°	TDZE	862
	Apt Elev	887

RNAV (GPS) RWY 36

MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

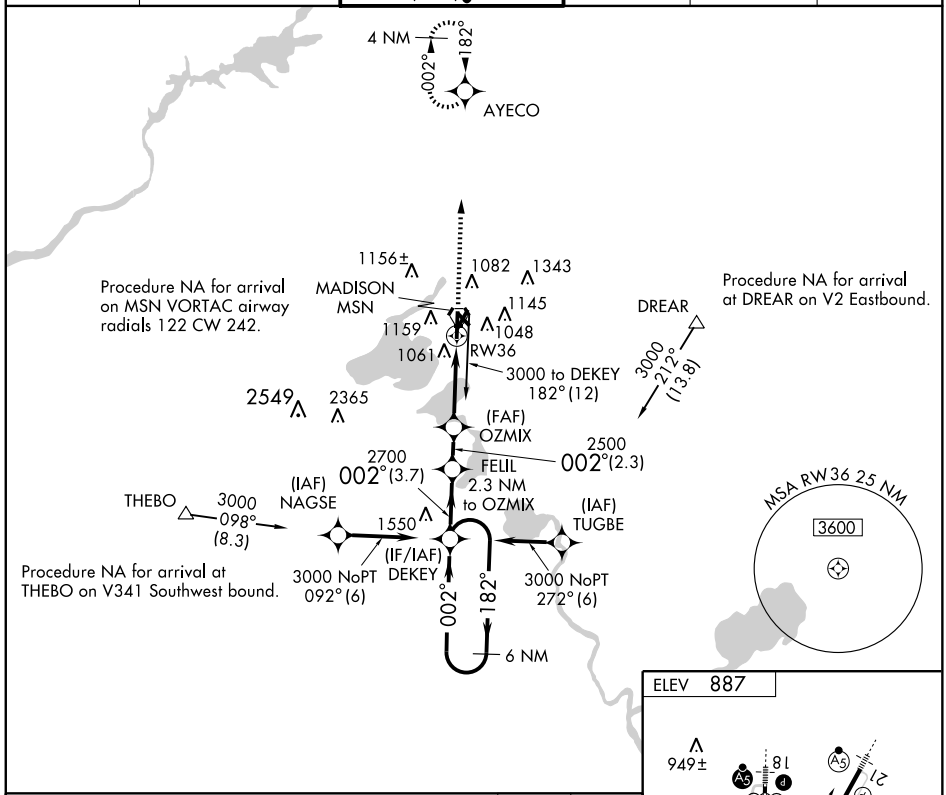
W T ASR NA

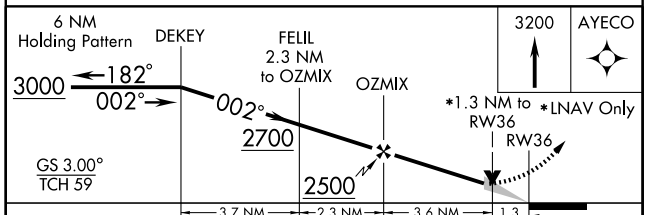
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Baro-VNAV NA below -16° C (4° F).

MALSR

MISSED APPROACH: Climb to 3200 direct AYECO WP and hold.

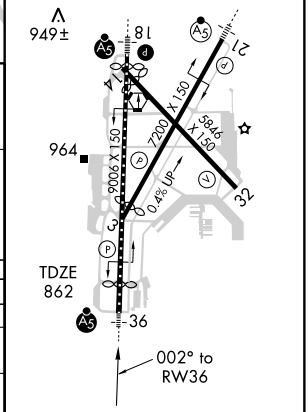
ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1360/60 498 (500-1¼)			
LNAV MDA	1320/24 458 (500-½)		1320/40 458 (500-¾)	1320/50 458 (500-1)
CIRCLING	1420-1¾ 533 (600-1¾)	1460-1¾ 573 (600-1¾)		1460-2 573 (600-2)

ELEV 887



HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN 108.6 Chan 23	APP CRS 139°	Rwy ldg 5371 TDZE 861 Apt Elev 887

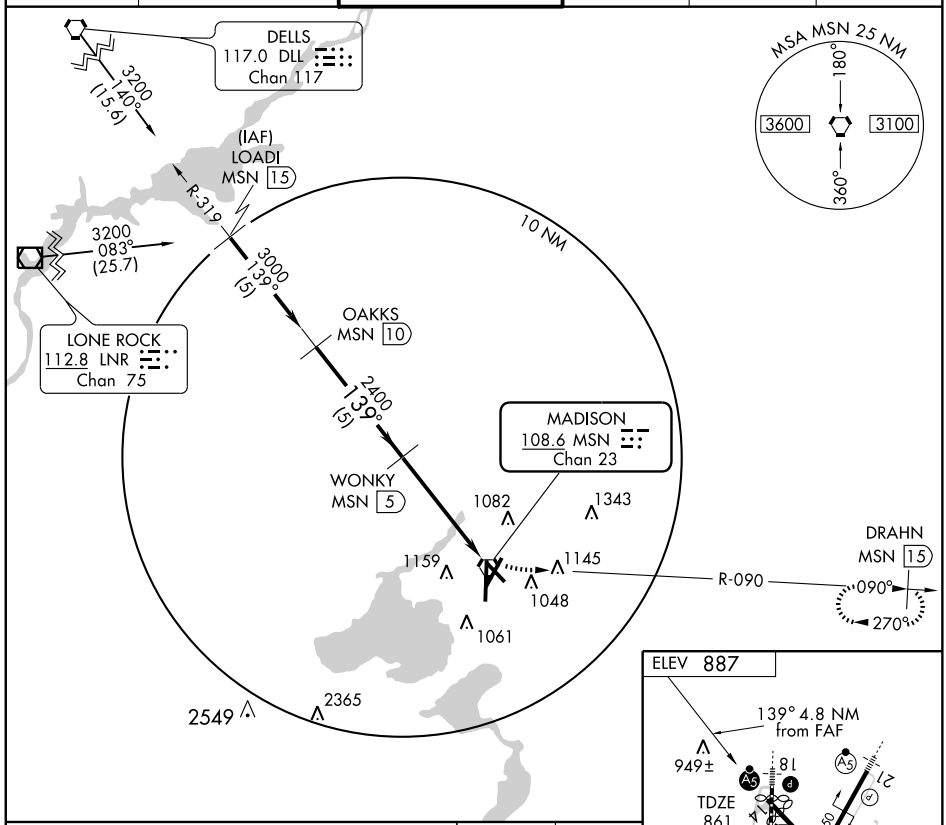
VOR/DME or TACAN RWY 14

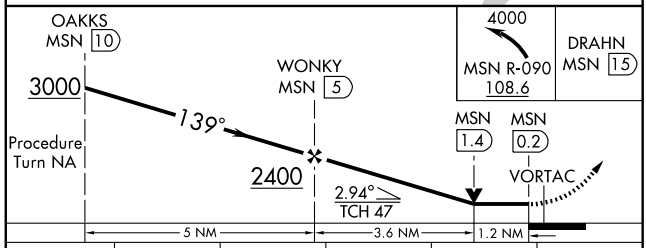
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

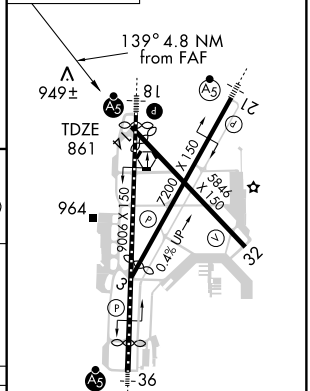
ASR

MISSED APPROACH: Climbing left turn to 4000 via MSN R-090 to DRAHN 15 DME and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D	E
S-14	1420-1 559 (600-1)		1420-1½ 559 (600-1½)	1420-1¾ 559 (600-1¾)	1420-2 559 (600-2)
CIRCLING	1420-1 533 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1680-2¾ 793 (800-2¾)

HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	8606
108.6	171°	TDZE	860
Chan 23		Apt Elev	887

VOR/DME or TACAN RWY 18

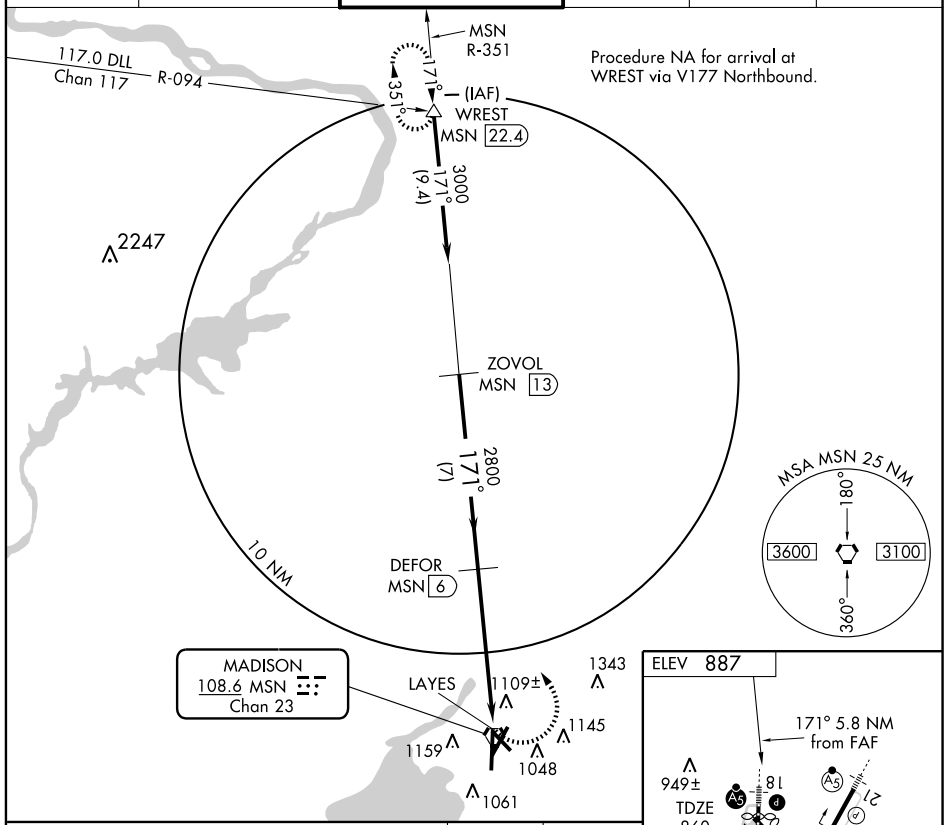
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

ASR: For inoperative MALSR, increase S-18 Cat E visibility to 1¾.

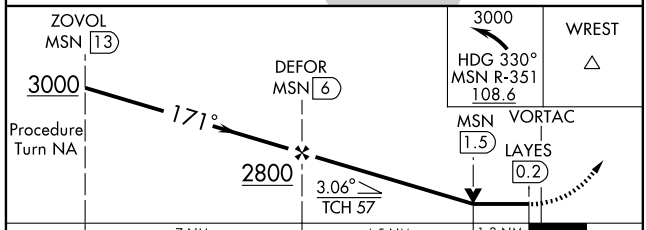
MALSR

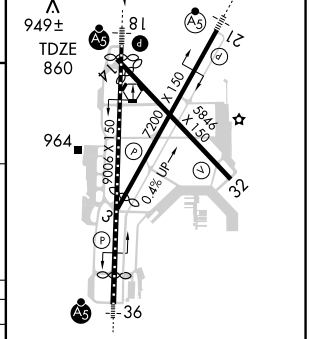
MISSED APPROACH: Climbing left turn to 3000 via heading 330° and R-351 to WREST Int and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95



Procedure NA for arrival at WREST via V177 Northbound.





HIRL all Rwys L

REIL Rwys 3, 14 and 32 L

CATEGORY	A	B	C	D	E
S-18	1360/24 500 (500-½)		1360/40 500 (500-¾)	1360/50 500 (500-1)	1360/60 500 (500-1¼)
CIRCLING	1400-1 513 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1680-2¾ 793 (800-2¾)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN 108.6 Chan 23	APP CRS 310°	Rwy ldg 5846 TDZE 861 Apt Elev 887

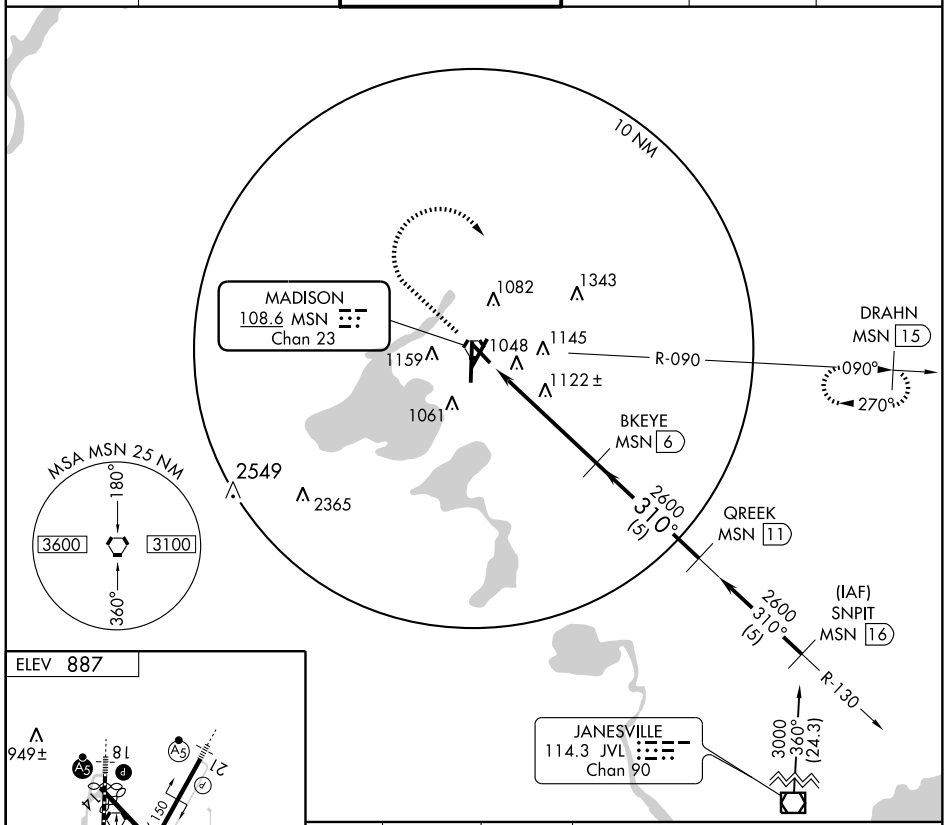
VOR/DME or TACAN RWY 32

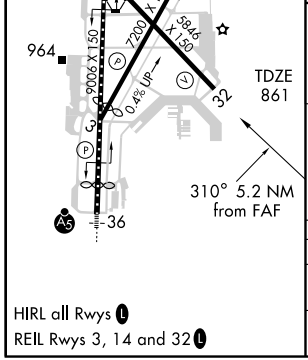
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

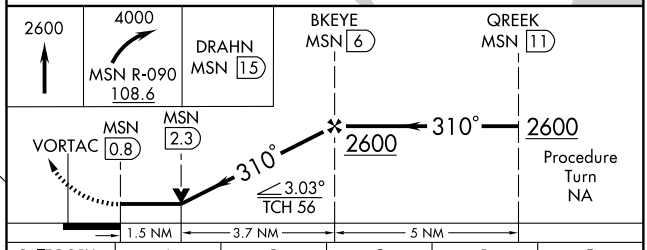
ASR

MISSED APPROACH: Climb to 2600 then climbing right turn to 4000 via MSN R-090 to DRAHN 15 DME and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D	E
S-32	1380-1 519 (500-1)		1380-1½ 519 (500-1½)	1380-1¾ 519 (500-1¾)	
CIRCLING	1400-1 513 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)	1680-2¾ 793 (800-2¾)

HIRL all Rwys L

REIL Rwys 3, 14 and 32 L

VORTAC MSN	APP CRS	Rwy ldg	5371
108.6	139°	TDZE	861
Chan 23		Apt Elev	887

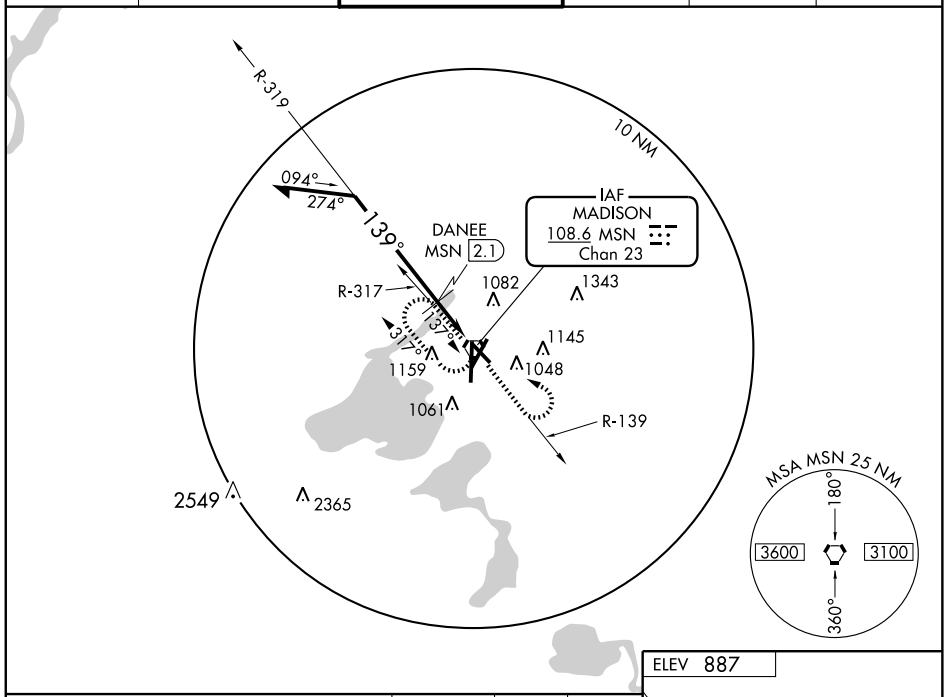
VOR RWY 14

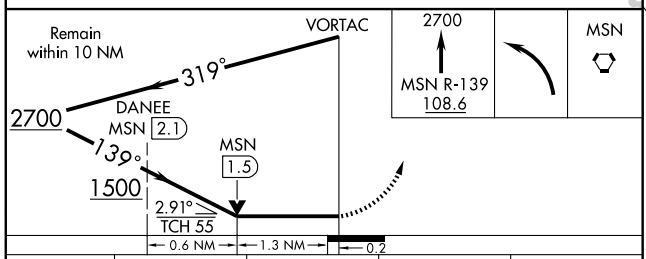
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

ASR

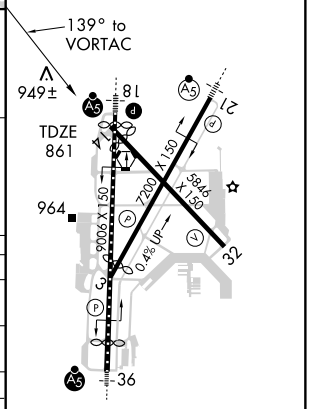
MISSED APPROACH: Climb to 2700 via MSN R-139 then left turn direct MSN VORTAC and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





CATEGORY	A	B	C	D
S-14	1500-1 639 (700-1)		1500-1¾ 639 (700-1¾)	1500-2 639 (700-2)
CIRCLING	1500-1 613 (700-1)		1500-1¾ 613 (700-1¾)	1500-2 613 (700-2)
DANEE FIX MINIMUMS				
S-14	1300-1 439 (500-1)		1300-1¼ 439 (500-1¼)	1300-1½ 439 (500-1½)
CIRCLING	1400-1 513 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)



HIRL all Rwys L

REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	8606
108.6	173°	TDZE	860
Chan 23		Apt Elev	887

VOR RWY 18

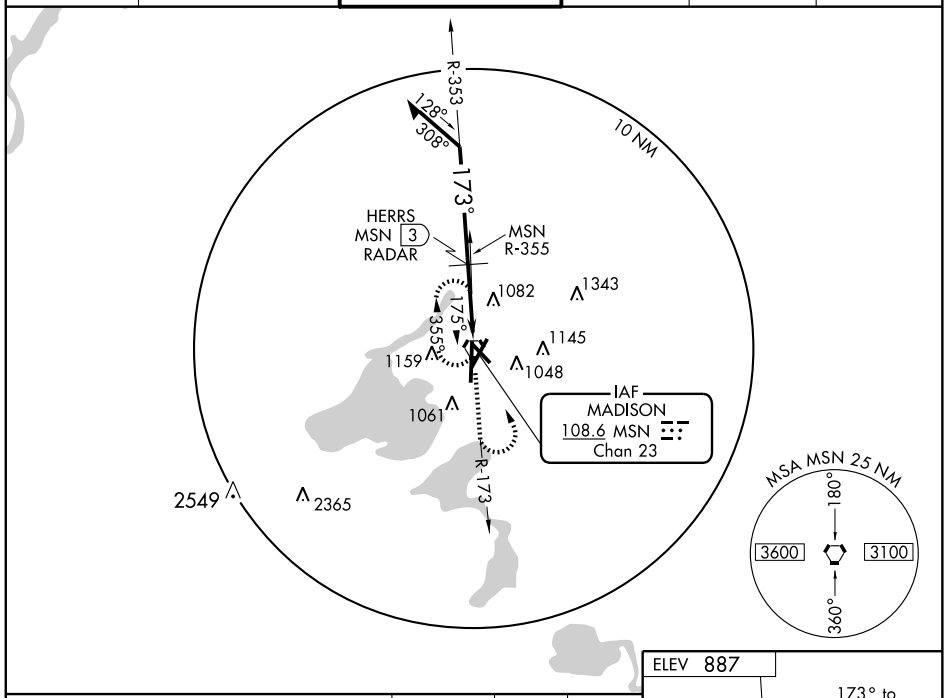
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

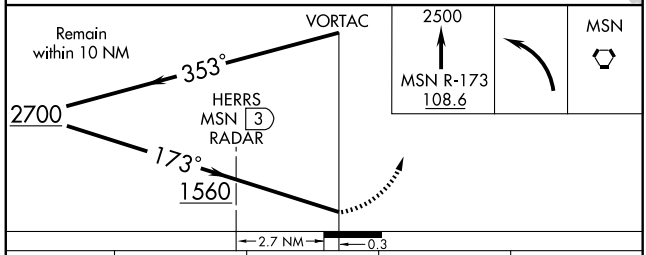
ASR

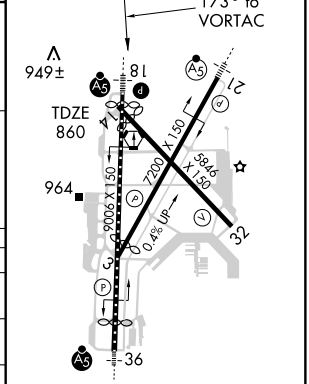
MALSR

MISSED APPROACH: Climb to 2500 via MSN R-173 then left turn direct MSN VORTAC and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D
S-18	1560/24 700 (700-½)		1560-1½ 700 (700-1½)	1560-1¾ 700 (700-1¾)
CIRCLING	1560-1 673 (700-1)		1560-2 673 (700-2)	1560-2¼ 673 (700-2¼)
HERRS DME/RADAR FIX MINIMUMS				
S-18	1340/24 480 (500-½)		1340/40 480 (500-¾)	1340/50 480 (500-1)
CIRCLING	1400-1 513 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)

HIRL all Rwys L

REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	7200
108.6	220°	TDZE	887
Chan 23		Apt Elev	887

VOR RWY 21

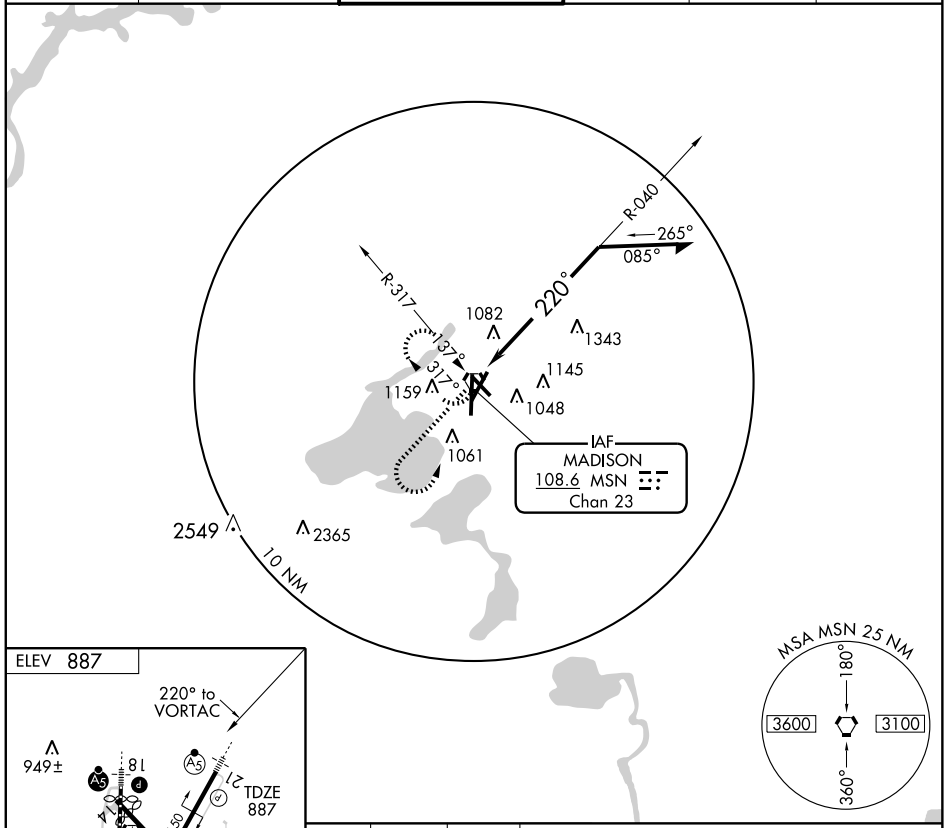
MADISON / DANE COUNTY RGNL-TRUAX FIELD (MSN)

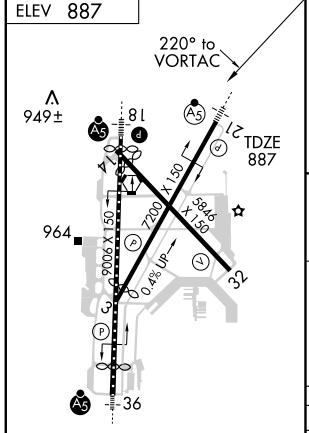
ASR

MALSR

MISSED APPROACH: Climb to 2400 then climbing left turn to 2800 direct MSN VORTAC and hold.

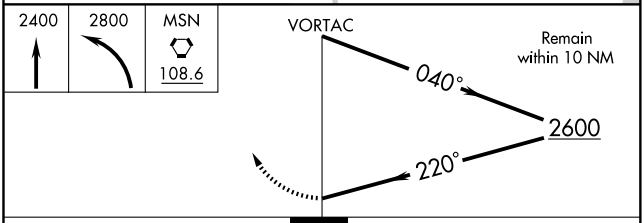
ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95





HIRL all Rwys L

REIL Rwys 3, 14 and 32 L



CATEGORY	A	B	C	D
S-21	1700-1 813 (900-1)	1700-1¼ 813 (900-1¼)	1700-2½ 813 (900-2½)	1700-2¾ 813 (900-2¾)
CIRCLING	1700-1 813 (900-1)	1700-1¼ 813 (900-1¼)	1700-2½ 813 (900-2½)	1700-2¾ 813 (900-2¾)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	5846
108.6	311°	TDZE	861
Chan 23		Apt Elev	887

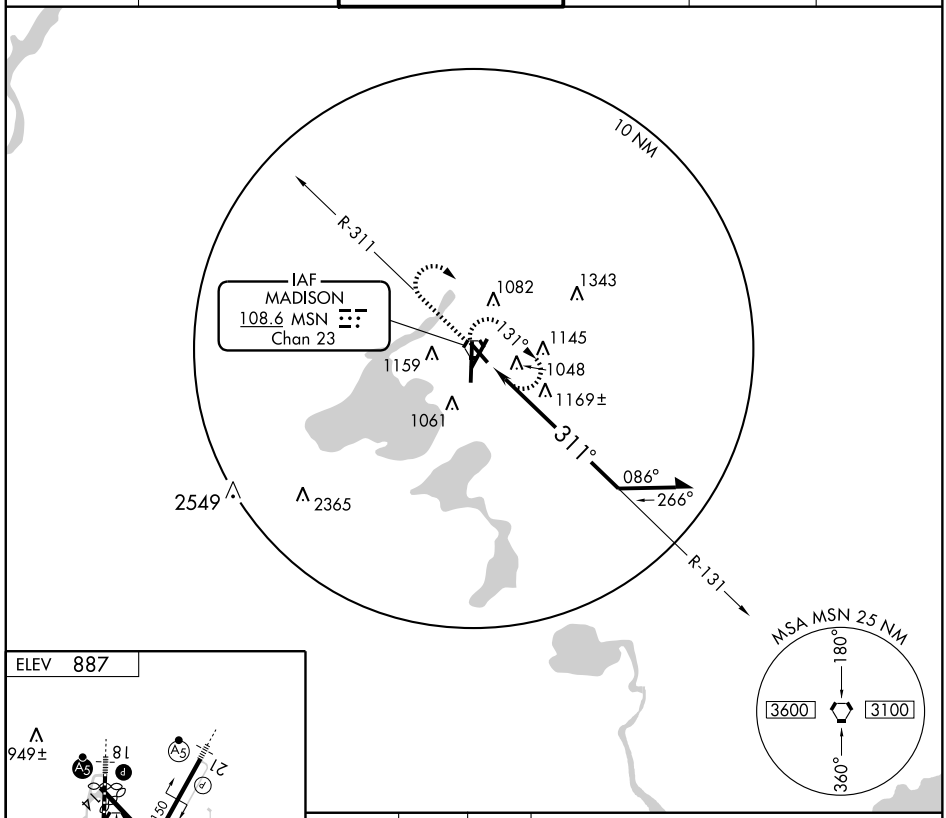
VOR RWY 32

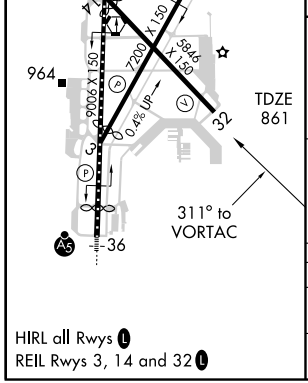
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

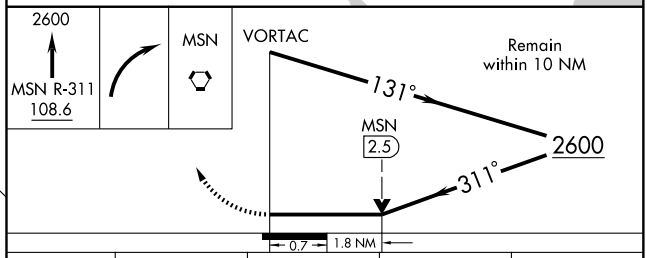
ASR

MISSED APPROACH: Climb to 2600 via MSN R-311 then right turn direct MSN VORTAC and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95







CATEGORY	A	B	C	D
S-32	1480-1	619 (600-1)	1480-1¾ 619 (600-1¾)	1480-2 619 (600-2)
CIRCLING	1480-1	593 (600-1)	1480-1¾ 593 (600-1¾)	1480-2 593 (600-2)

HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	8017
108.6	001°	TDZE	862
Chan 23		Apt Elev	887

VOR RWY 36

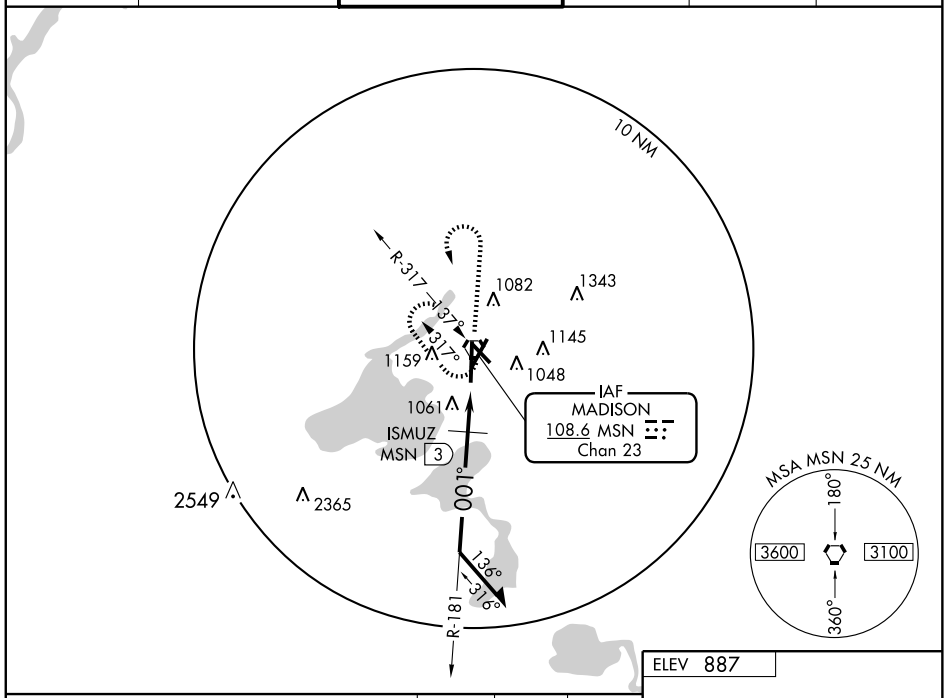
MADISON/DANE COUNTY RGNL-TRUAX FIELD (MSN)

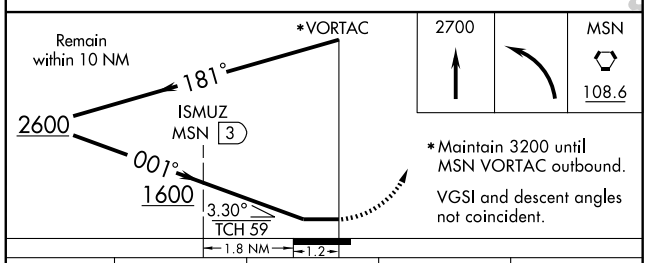
NA
ASR

MALSR

MISSED APPROACH: Climb to 2700 then left turn direct MSN VORTAC and hold.

ATIS	MADISON APP CON ★	MADISON TOWER ★	GND CON	CLNC DEL	UNICOM
124.65 278.3	135.45 343.7	119.3 (CTAF) L 257.8	121.9 348.6	121.62	122.95

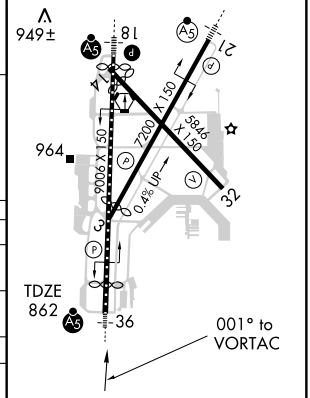




*Maintain 3200 until MSN VORTAC outbound.

VGSI and descent angles not coincident.

ELEV 887



HIRL all Rwys L
REIL Rwys 3, 14 and 32 L

CATEGORY	A	B	C	D
S-36	1600/50 738 (800-1)		1600-1½ 738 (800-1½)	1600-1¾ 738 (800-1¾)
CIRCLING	1600-1 713 (800-1)		1600-2 713 (800-2)	1600-2¼ 713 (800-2¼)
ISMUZ FIX MINIMUMS				
S-36	1320/50 458 (500-1)		1320/60 458 (500-1¼)	1320-1½ 458 (500-1½)
CIRCLING	1400-1 513 (600-1)	1460-1 573 (600-1)	1460-1½ 573 (600-1½)	1460-2 573 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

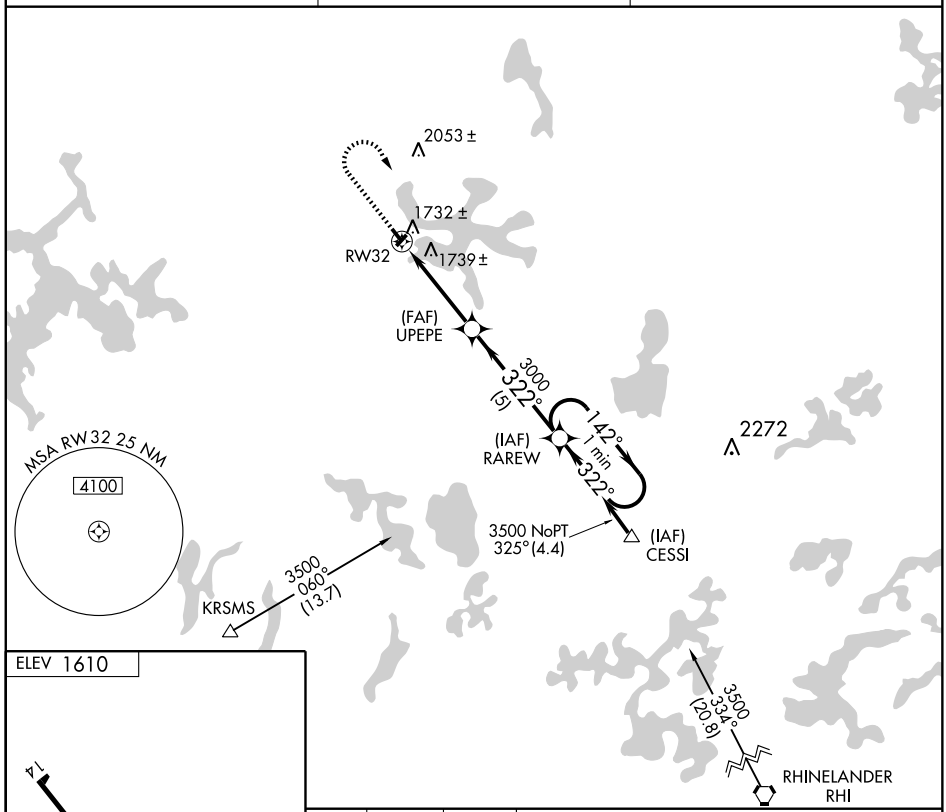
APP CRS	Rwy ldg	3500
322°	TDZE	1610
	Apt Elev	1610

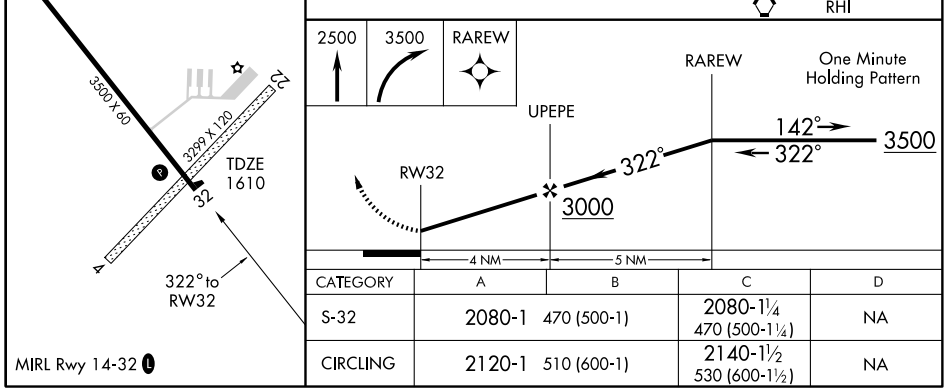
GPS RWY 32
MANITOWISH WATERS (D25)

NA Use Rhinelander altimeter setting.

MISSED APPROACH: Climb to 2500, then climbing right turn to 3500 direct RAREW WP and hold.

MINNEAPOLIS CENTER	UNICOM	GCO
133.65 281.5	122.8 (CTAF) L	121.725





CATEGORY	A	B	C	D
S-32	2080-1	470 (500-1)	2080-1¼ 470 (500-1¼)	NA
CIRCLING	2120-1	510 (600-1)	2140-1½ 530 (600-1½)	NA

MIRL Rwy 14-32 L

NDB MHA	APP CRS	Rwy ldg	3500
364	330°	TDZE	1610
		Apt Elev	1610

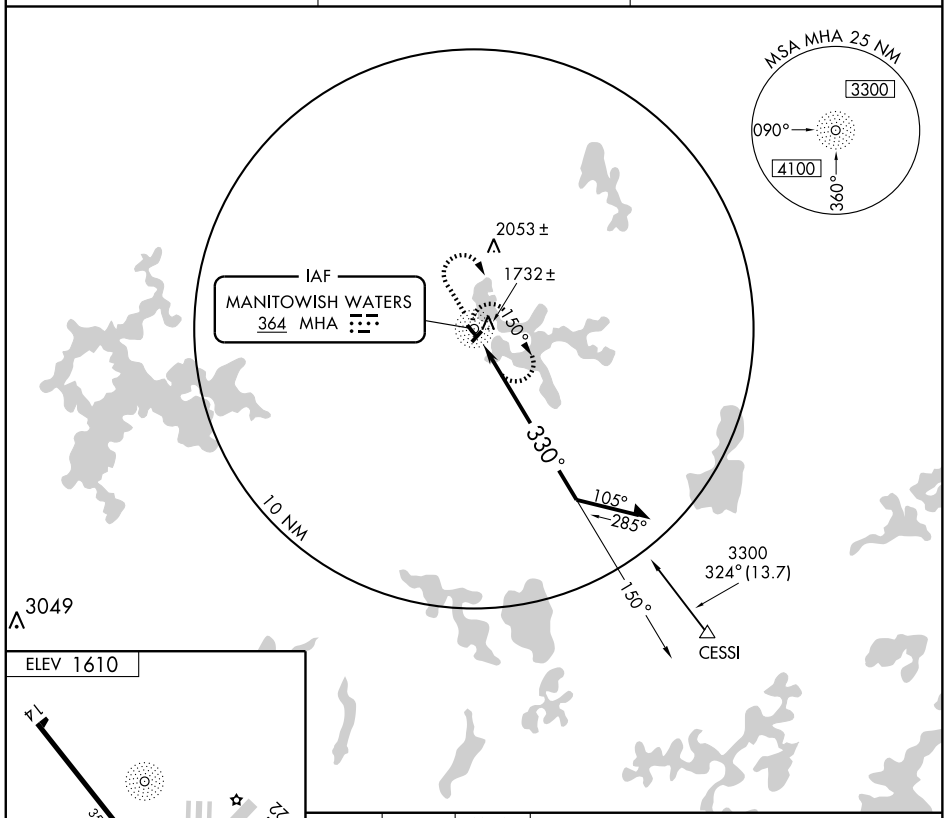
NDB RWY 32

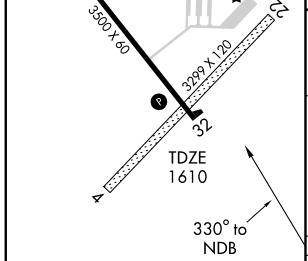
MANITOWISH WATERS (D25)

NA Use Rhinelander altimeter setting.

MISSED APPROACH: Climb to 3300 then right turn direct MHA NDB and hold.

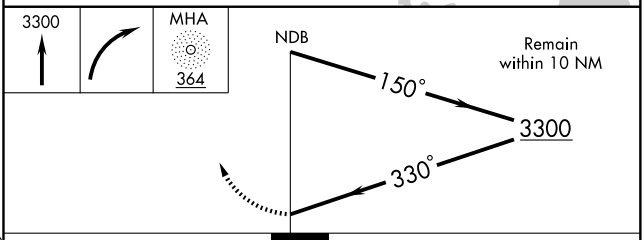
MINNEAPOLIS CENTER	UNICOM	GCO
133.65 281.5	122.8 (CTAF) L	121.725





MIRL Rwy 14-32 L

Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-32	2300-1 690 (700-1)		2300-2 690 (700-2)	NA
CIRCLING	2300-1 690 (700-1)		2300-2 690 (700-2)	NA

LOC I-MTW	APP CRS	Rwy ldg	5001
111.3	172°	TDZE	651
		Apt Elev	651

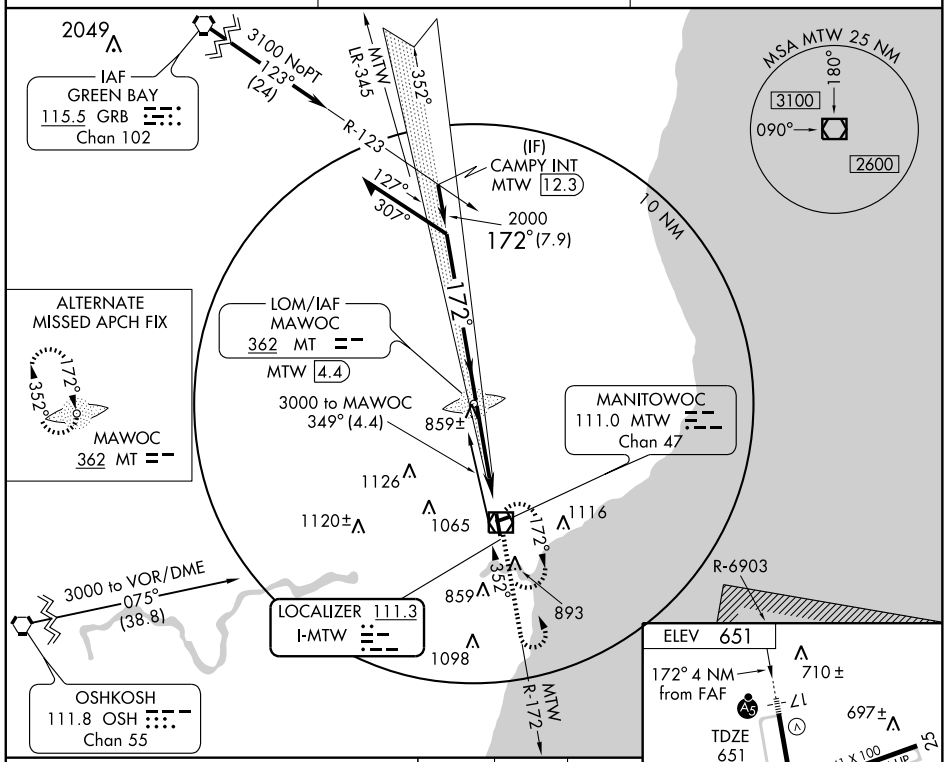
ILS or LOC RWY 17
MANITOWOC COUNTY (MTW)

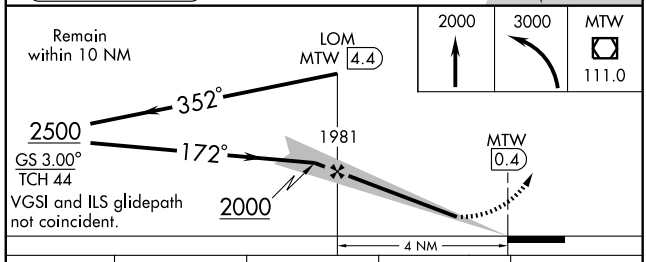
When local altimeter setting not received, use Sheboygan altimeter setting and increase all DA 67 feet and all MDA 80 feet, increase S-LOC 17 Cats. C and D and Circling Cats. C and D visibility ¼ mile. When using Sheboygan altimeter setting: For inoperative MALSR, increase S-ILS 17 all Cats. visibility to 1.

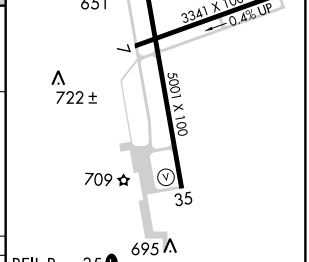
MALSR

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct MTW VOR/DME and hold.

AWOS-3	GREEN BAY APP CON★	UNICOM
111.0	120.2 338.2	122.8 (CTAF)







REIL Rwy 35
MIRL Rwy 7-25
HIRL Rwy 17-35

CATEGORY	A	B	C	D
S-ILS 17	851-½ 200 (200-½)			
S-LOC 17	1120-½ 469 (500-½)		1120-¾ 469 (500-¾)	1120-1 469 (500-1)
CIRCLING	1200-1 549 (600-1)		1200-1½ 549 (600-1½)	1420-2½ 769 (800-2½)

FAF to MAP 4 NM

Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 63111 W17A	APP CRS 172°	Rwy ldg 5001 TDZE 651 Apt Elev 651

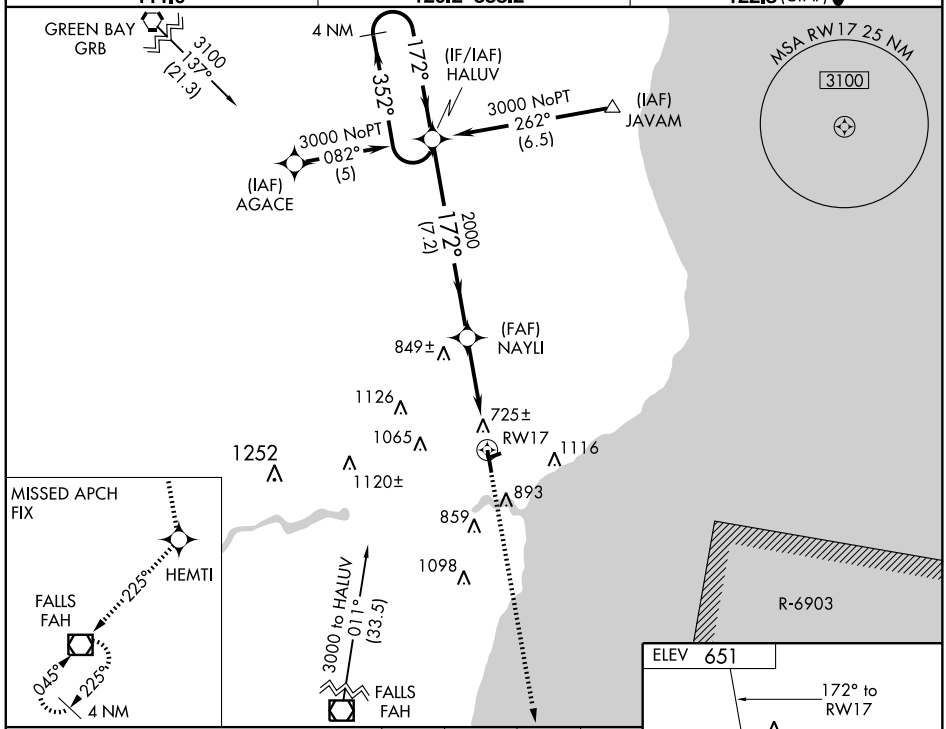
RNAV (GPS) RWY 17
MANITOWOC COUNTY (MTW)

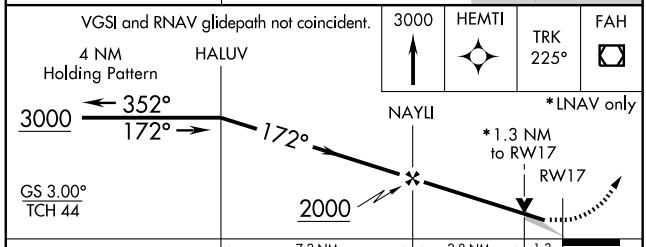
For inoperative MALSR when using Sheboygan altimeter setting, increase LPV all Cats. visibility to 1 mile. For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. VDP and Baro-VNAV NA when using Sheboygan altimeter setting. When local altimeter setting not received, use Sheboygan altimeter setting and increase all DA 67 feet and all MDA 80 feet, increase LNAV/VNAV all Cats., LNAV Cat. C and D, and Circling Cat. C and D visibility ¼ mile.

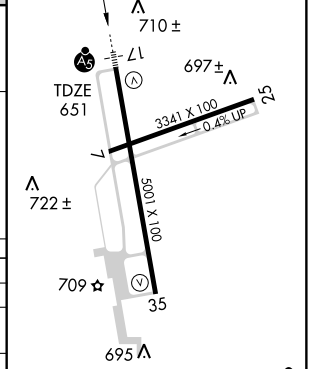
MALSR

MISSED APPROACH: Climb to 3000 direct HEMTI and via 225° track to FAH VOR/DME and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
111.0	120.2 338.2	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	851-½ 200 (200-½)			
LNAV/VNAV DA	993-¾ 342 (400-¾)			
LNAV MDA	1100-½ 449 (500-½)		1100-¾ 449 (500-¾)	1100-1 449 (500-1)
CIRCLING	1200-1 549 (600-1)		1200-1½ 549 (600-1½)	1420-2½ 769 (800-2½)

REIL Rwy 35 L
MIRL Rwy 7-25 L
HIRL Rwy 17-35 L

EC-3, 14 JAN 2010 to 11 FEB 2010

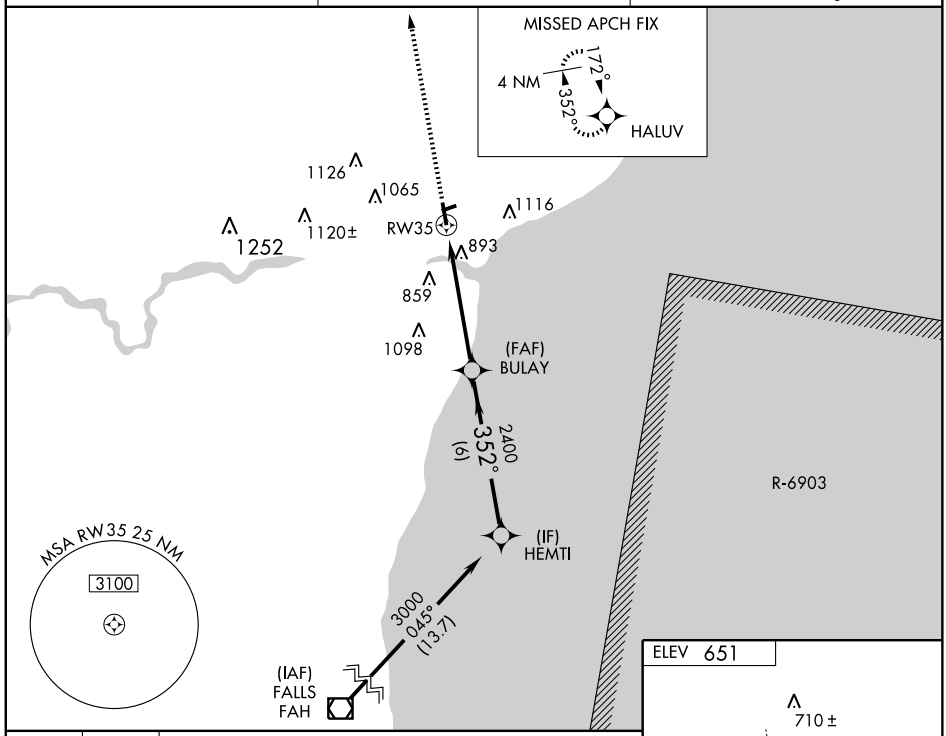
WAAS CH 82611 W35A	APP CRS 352°	Rwy ldg 5001 TDZE 651 Apt Elev 651

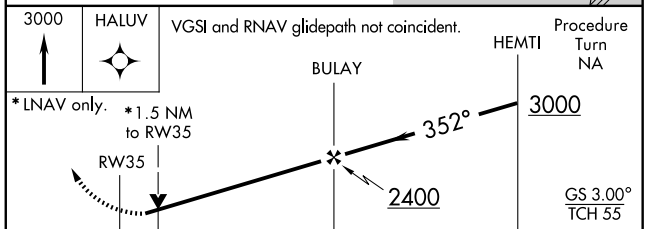
RNAV (GPS) RWY 35
MANITOWOC COUNTY(MTW)

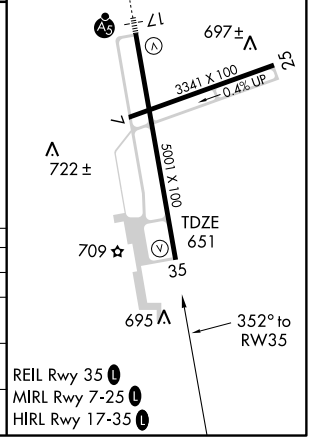
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP and Baro-VNAV NA when using Sheboygan altimeter setting. When local altimeter setting not received, use Sheboygan altimeter setting and increase all DA 67 feet and all MDA 80 feet, increase LPV all Cats., LNAV/VNAV all Cats., LNAV Cat. D, and Circling Cat. C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct HALUV and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
111.0	120.2 338.2	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1006-1¼ 355 (400-1¼)			
LNAV/VNAV DA	1199-2 548 (600-2)			
LNAV MDA	1160-1 509 (600-1)		1160-1½ 509 (600-1½)	
CIRCLING	1200-1 549 (600-1)		1200-1½ 549 (600-1½)	1420-2½ 769 (800-2½)

EC-3, 14 JAN 2010 to 11 FEB 2010

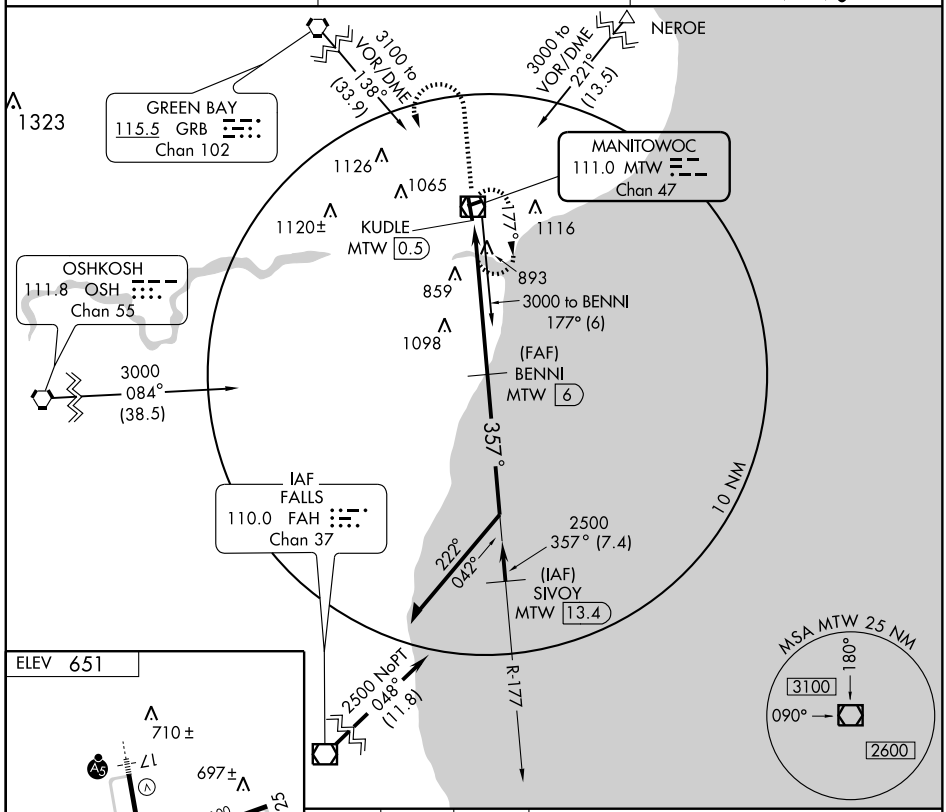
VOR/DME MTW 111.0 Chan 47	APP CRS 357°	Rwy ldg 5001 TDZE 651 Apt Elev 651

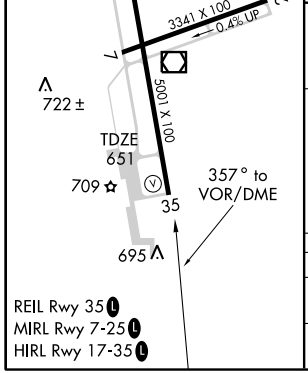
VOR/DME RWY 35
MANITOWOC COUNTY(MTW)

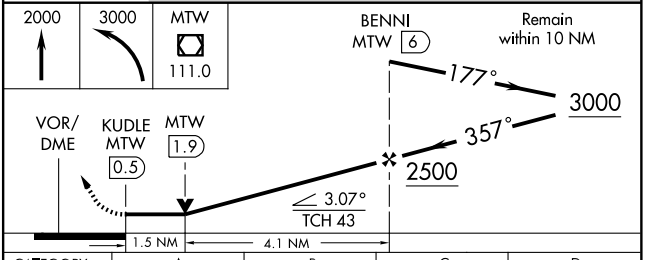
Visibility reduction by helicopters NA. VDP NA when using Sheboygan altimeter setting. When local altimeter setting not received, use Sheboygan altimeter setting and increase all MDA 80 feet, increase S-35 Cat. D and Circling Cats. C and D visibility ¼ mile.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct MTW VOR/DME and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
111.0	120.2 338.2	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-35	1160-1	509 (600-1)	1160-1½	509 (600-1½)
CIRCLING	1200-1	549 (600-1)	1200-1½ 549 (600-1½)	1420-2½ 769 (800-2½)

EC-3, 14 JAN 2010 to 11 FEB 2010

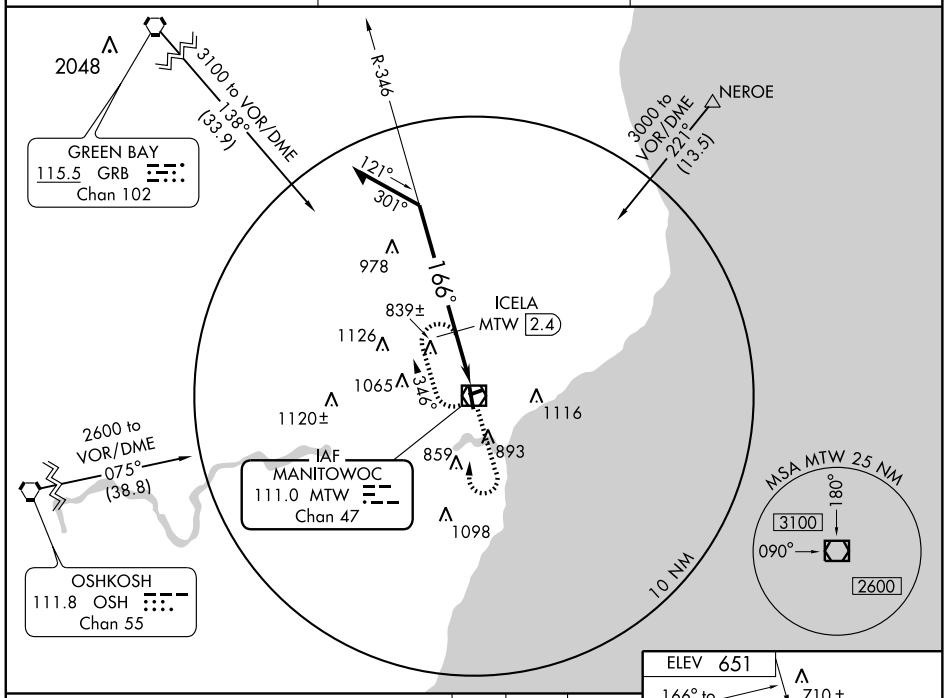
VOR/DME MTW	APP CRS	Rwy ldg	5001
111.0	166°	TDZE	651
Chan 47		Apt Elev	651

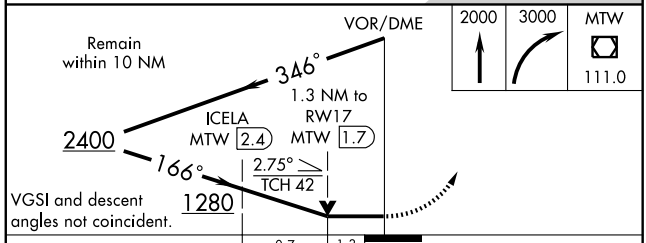
VOR RWY 17
MANITOWOC COUNTY (MTW)

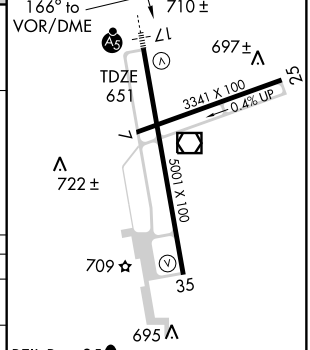
MALSR

MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct MTW VOR/DME and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
111.0	120.2 338.2	122.8 (CTAF) L







REIL Rwy 35 L
MIRL Rwy 7-25 L
HIRL Rwy 17-35 L

Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-17	1280-½ 629 (700-½)		1280-1½ 629 (700-1½)	
CIRCLING	1280-1 629 (700-1)		1280-1¾ 629 (700-1¾)	1420-2½ 769 (800-2½)
DME MINIMUMS				
S-17	1100-½ 449 (500-½)		1100-¾ 449 (500-¾)	1100-1 449 (500-1)
CIRCLING	1200-1 549 (600-1)		1200-1½ 549 (600-1½)	1420-2½ 769 (800-2½)

EC-3, 14 JAN 2010 to 11 FEB 2010

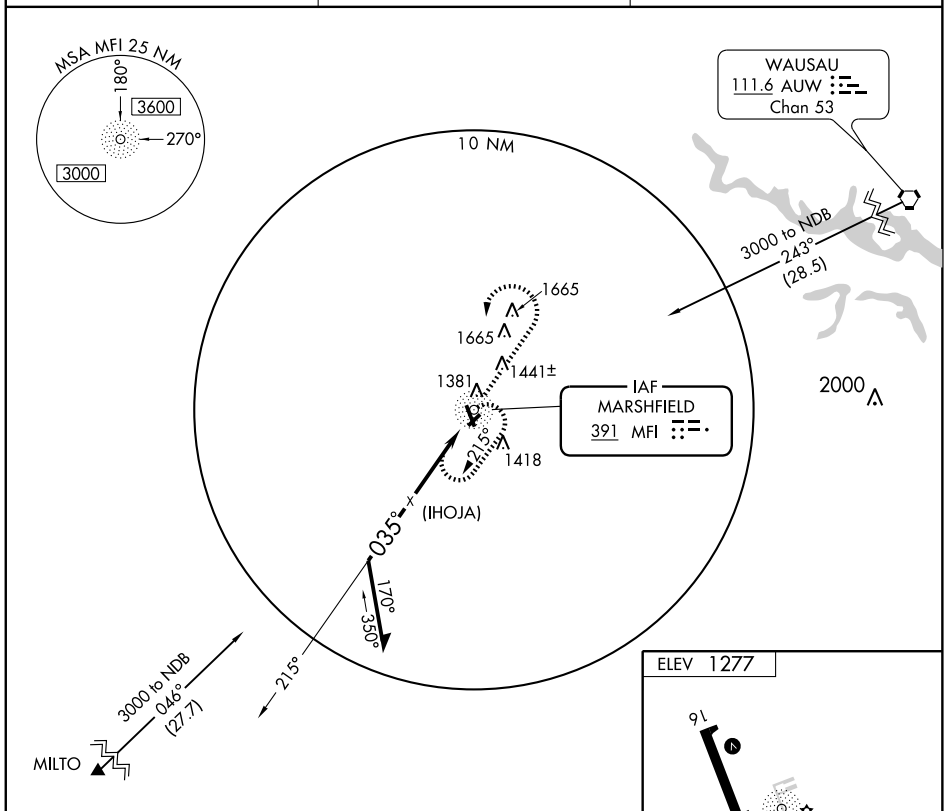
NDB MFI	APP CRS	Rwy ldg	3600
391	035°	TDZE	1257
		Apt Elev	1277

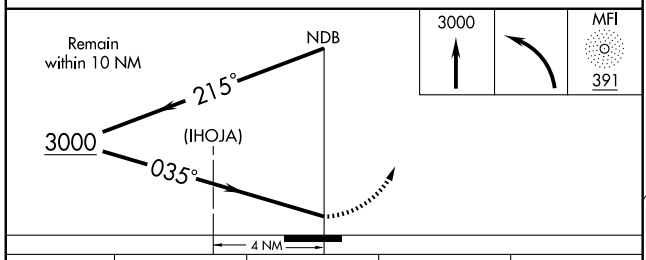
NDB or GPS RWY 4

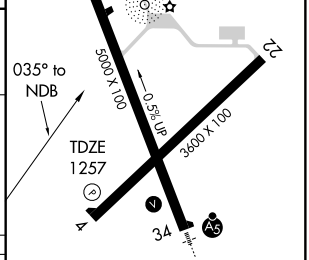
MARSHFIELD MUNI (MFI)

MISSED APPROACH: Climb to 3000 then left turn direct MFI NDB and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
121.575	124.4 317.7	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-4	1860-1 603 (600-1)		1860-1¾ 603 (600-1¾)	1860-2 603 (600-2)
CIRCLING	1860-1 583 (600-1)		1860-1¾ 583 (600-1¾)	1860-2 583 (600-2)

REIL Rwys 4 and 16
MIRL Rwys 4-22 and 16-34 L

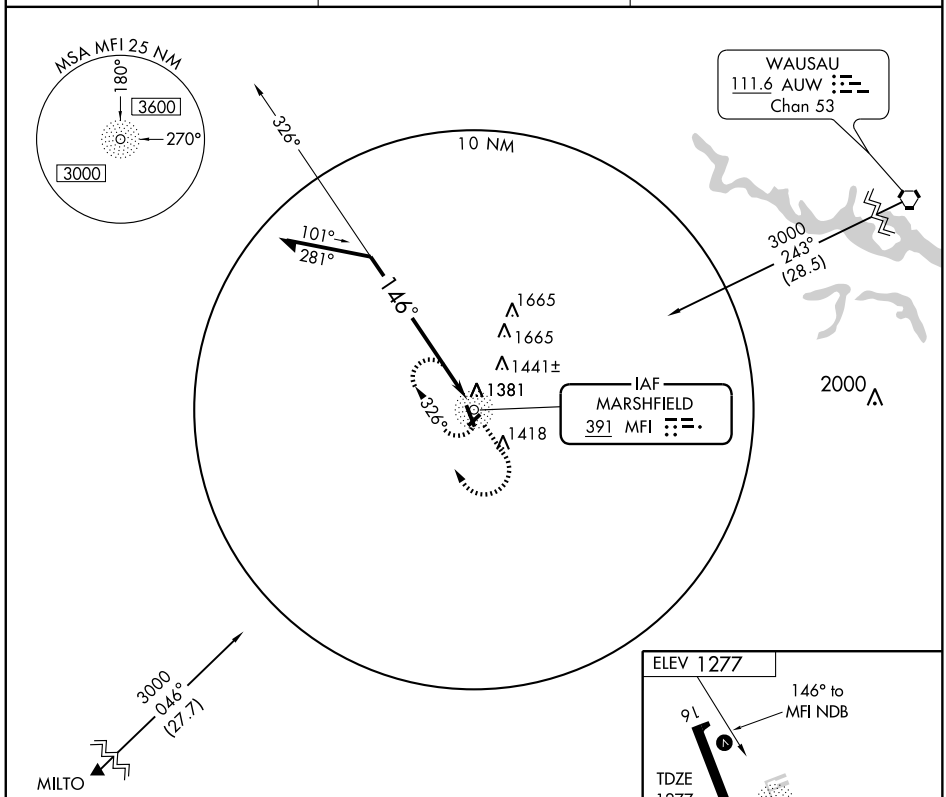
EC-3, 14 JAN 2010 to 11 FEB 2010

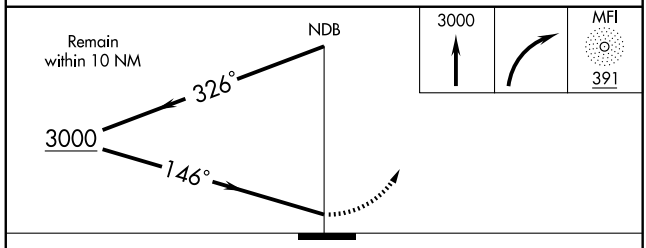
NDB MFI	APP CRS	Rwy ldg	5000
391	146°	TDZE	1277
		Apt Elev	1277

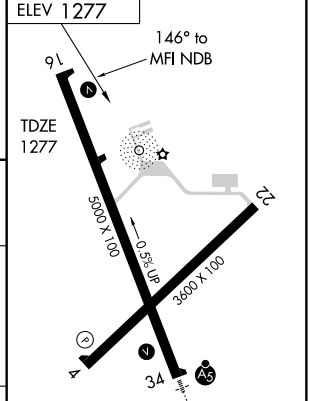
NDB RWY 16
MARSHFIELD MUNI (MFI)

MISSED APPROACH: Climb to 3000 then right turn direct MFI NDB and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
121.575	124.4 317.7	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-16	1820-1	543 (600-1)	1820-1½ 543 (600-1½)	1820-1¾ 543 (600-1¾)
CIRCLING	1820-1	543 (600-1)	1820-1½ 543 (600-1½)	1840-2 563 (600-2)

REIL Rwys 4 and 16
MIRL Rwys 4-22 and 16-34 L

EC-3, 14 JAN 2010 to 11 FEB 2010

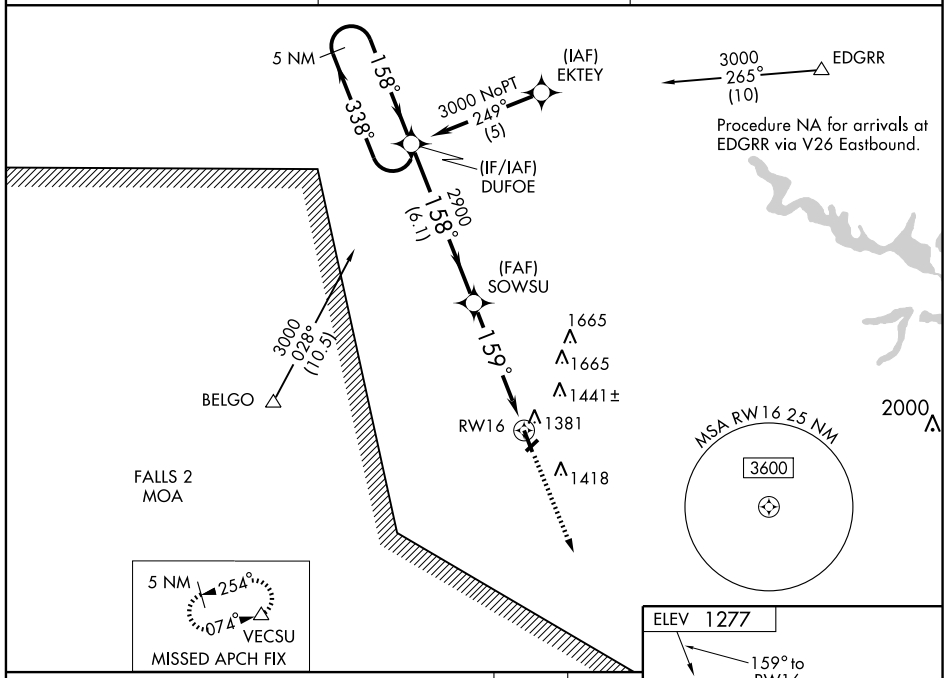
WAAS CH 99501 W16A	APP CRS 159°	Rwy ldg 5000 TDZE 1277 Apt Elev 1277

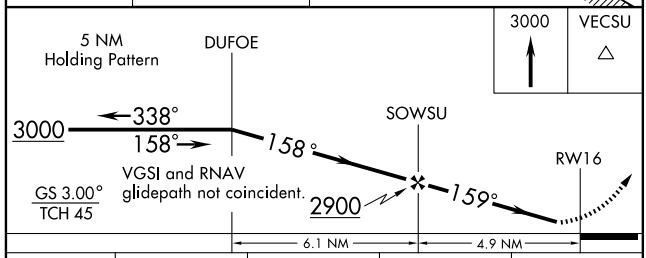
RNAV (GPS) RWY 16
MARSHFIELD MUNI (MFI)

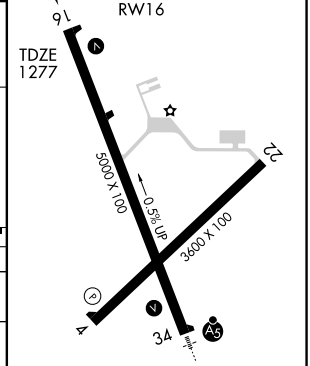
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
If local altimeter setting not received, use Central Wisconsin altimeter setting and increase all DAs/MDAs 60 feet.
Baro-VNAV NA when using Central Wisconsin altimeter setting.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (115°F).

MISSED APPROACH: Climb to 3000 direct VECSU and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
121.575	124.4 317.7	123.0 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1596-1 319 (400-1)			
LNAV/VNAV DA	1641-1¼ 364 (400-1¼)			
LNAV MDA	1640-1 363 (400-1)			1640-1¼ 363 (400-1¼)
CIRCLING	1700-1¼ 423 (500-1¼)	1740-1¼ 463 (500-1¼)	1740-1½ 463 (500-1½)	1840-2 563 (600-2)

REIL Rwys 4 and 16
MIRL Rwys 4-22 and 16-34 L

EC-3. 14 JAN 2010 to 11 FEB 2010

WAAS CH 58101 W34A	APP CRS 339°	Rwy ldg 5000 TDZE 1257 Apt Elev 1277

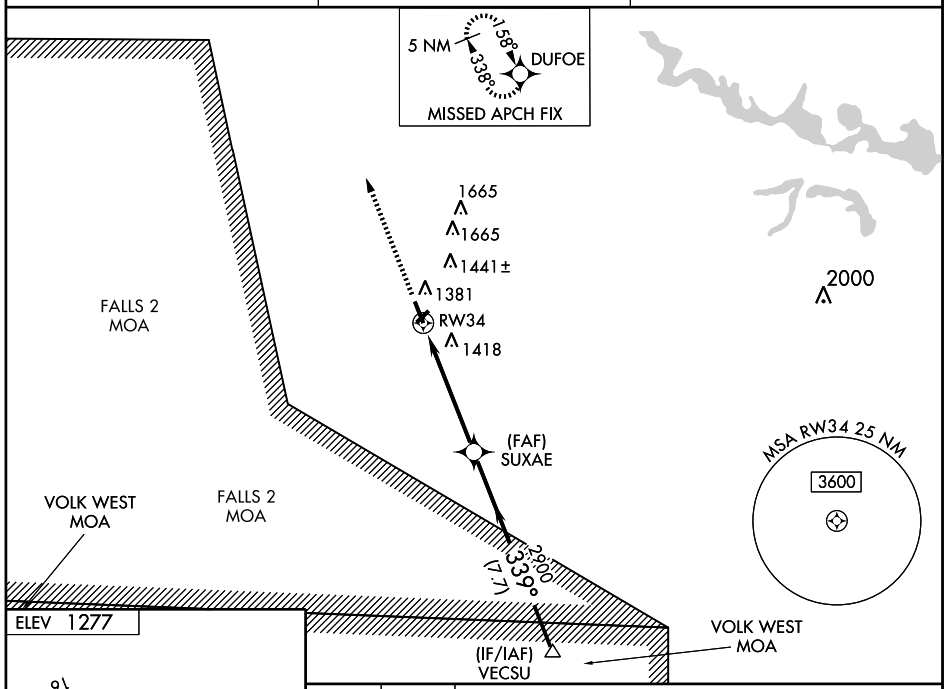
RNAV (GPS) RWY 34
MARSHFIELD MUNI (MFI)

For inoperative MALSR increase LPV all Cats visibility to 1, increase LNAV Cats A and B to 1 and Cat D to 1¼. If local altimeter setting not received, use Central Wisconsin altimeter setting and increase all DAs/MDAs 60 feet. VDP and Baro-VNAV NA when using Central Wisconsin altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17° C (2° F) or above 46° C (115° F). DME/DME RNP-0.3 NA.

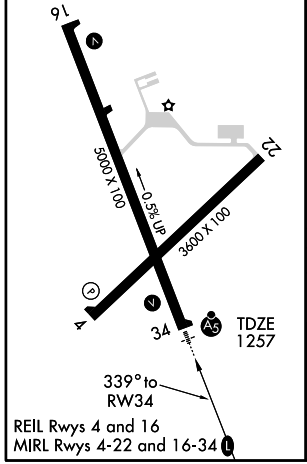
MALSR

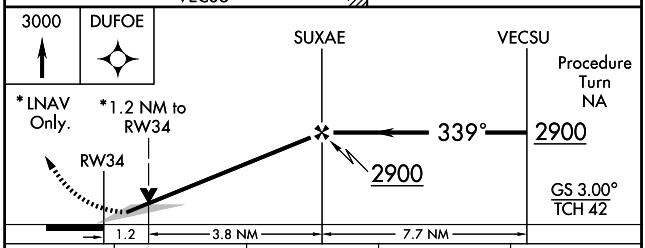
MISSED APPROACH: Climb to 3000 direct DUFOE and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
121.575	124.4 317.7	123.0 (CTAF)



ELEV 1277





CATEGORY	A	B	C	D
LPV DA	1507-¾ 250 (300-¾)			
LNAV/VNAV DA	1717-1¼ 460 (500-1¼)			
LNAV MDA	1680-¾ 423 (500-¾)			1680-1 423 (500-1)
CIRCLING	1720-1¾ 443 (500-1¾)	1740-1¾ 463 (500-1¾)		1840-2 563 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

SDF DUS	APP CRS	Rwy ldg	5000
109.9	339°	TDZE	1257
		Apt Elev	1277

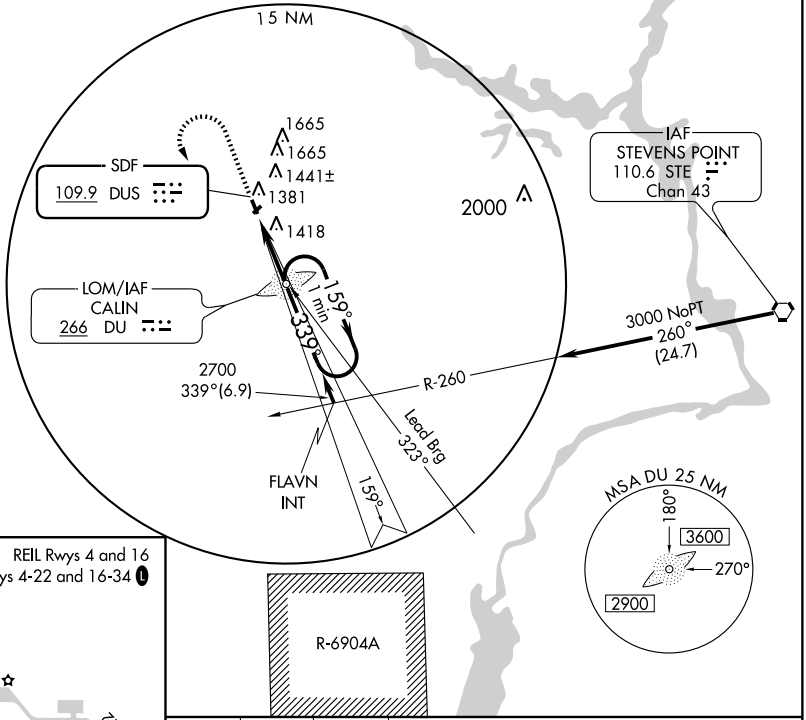
SDF RWY 34
MARSHFIELD MUNI (MFI)

For inoperative MALSR, increase S-34 Cat D visibility to 1¼.
NA ADF REQUIRED

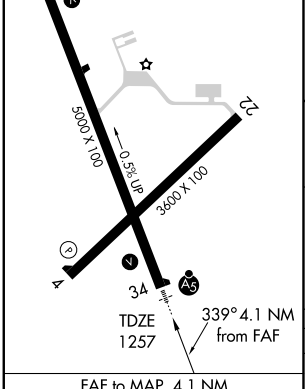
MALSR

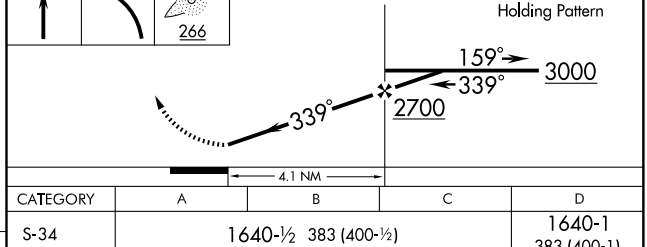
MISSED APPROACH: Climb to 3000 then left turn direct CALIN LOM and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
121.575	124.4 317.7	123.0 (CTAF) L



ELEV 1277 REIL Rwys 4 and 16
MIRL Rwys 4-22 and 16-34 L





FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

CATEGORY	A	B	C	D
S-34	1640-½ 383 (400-½)			1640-1 383 (400-1)
CIRCLING	1700-1 423 (500-1)	1740-1 463 (500-1)	1740-1½ 463 (500-1½)	1840-2 563 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB MDZ	APP CRS	Rwy ldg	4435
335	340°	TDZE	1459
		Apt Elev	1478

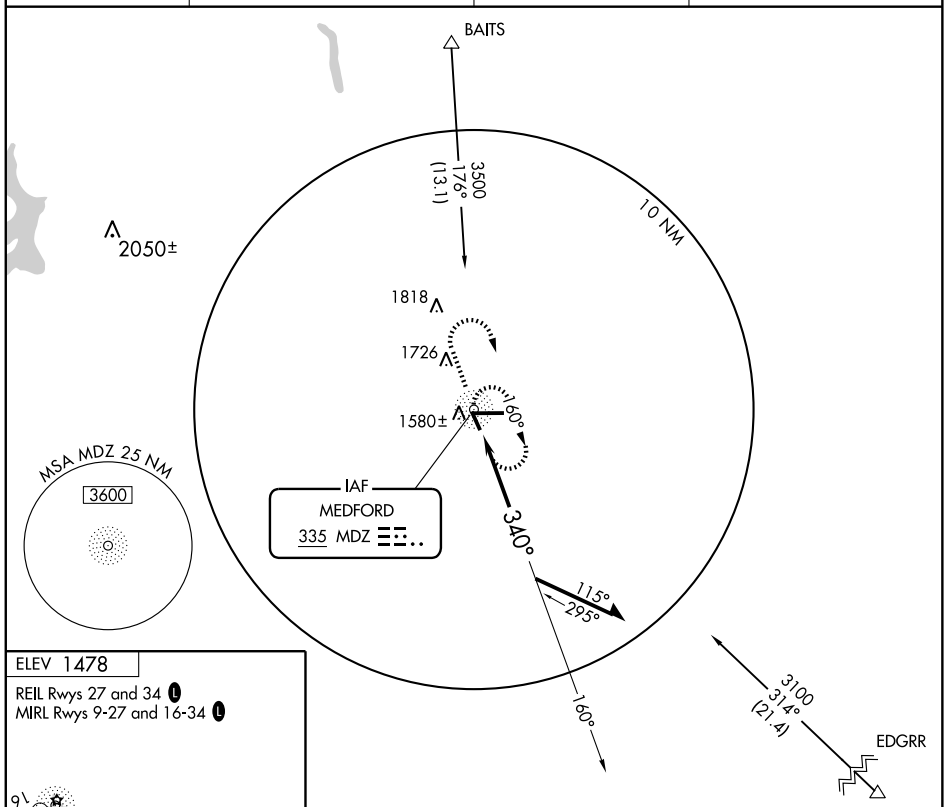
NDB RWY 34

MEDFORD/TAYLOR COUNTY (MDZ)

T A NA — Visibility reduction by helicopters NA. When local altimeter setting not received, use Merrill altimeter setting and increase all MDA 100 feet, and all Cat. C/D visibility ¼ mile.

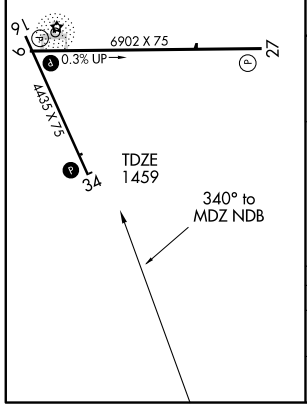
MISSED APPROACH: Climb to 3100 then right turn direct MDZ NDB and hold.

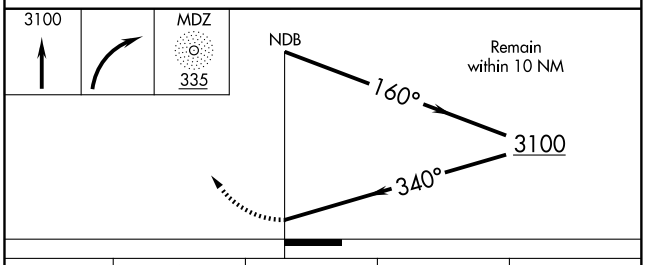
AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.025	124.4 317.7	121.725	122.8 (CTAF) L



ELEV 1478

REIL Rwys 27 and 34 L
MIRL Rwys 9-27 and 16-34 L





CATEGORY	A	B	C	D
S-34	2060-1	601 (600-1)	2060-1¾ 601 (600-1¾)	2060-2 601 (600-2)
CIRCLING	2060-1	582 (600-1)	2060-1¾ 582 (600-1¾)	2080-2 602 (700-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

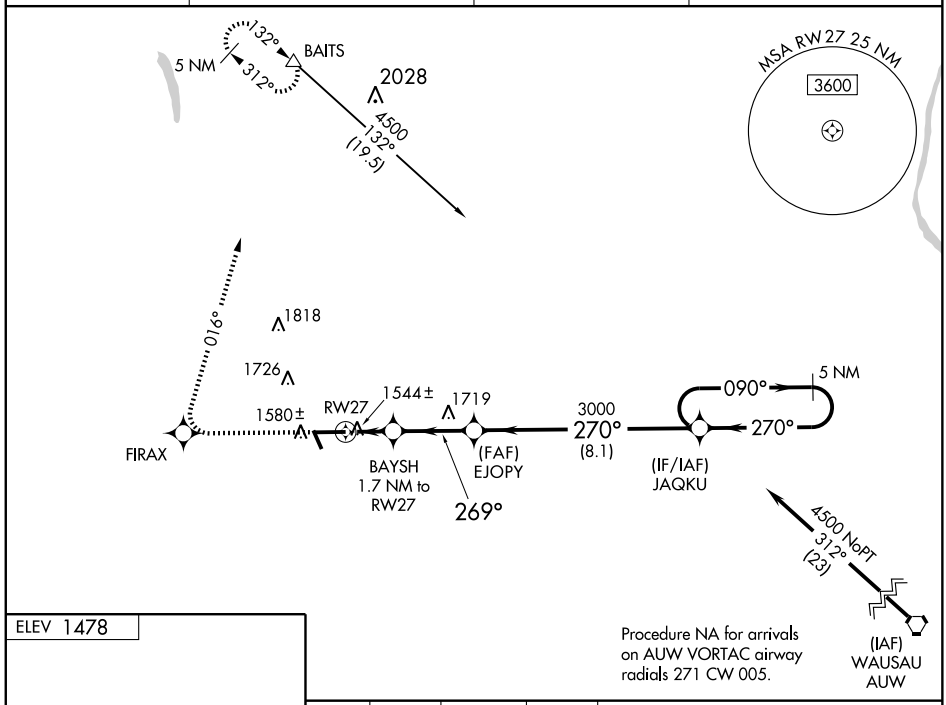
WAAS CH 66011 W27A	APP CRS 269°	Rwy ldg 6902 TDZE 1478 Apt Elev 1478

RNAV (GPS) RWY 27
MEDFORD/ TAYLOR COUNTY (MDZ)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Merrill altimeter setting and increase all DA 82 feet, and all MDA 100 feet, increase LPV all Cats., LNAV/VNAV all Cats., LNAV Cat. C/D, and Circling Cat. D visibilities ¼ mile. VDP and Baro-VNAV NA when using Merrill altimeter setting.

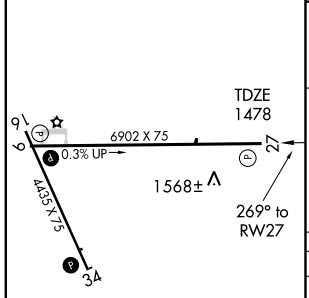
MISSED APPROACH: Climb to 4500 direct FIRAX and right turn via 016° track to BAITS and hold.

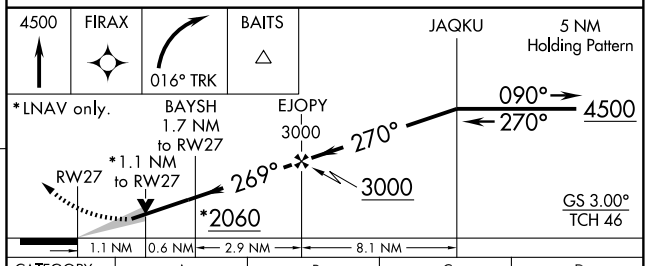
AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.025	124.4 317.7	121.725	122.8 (CTAF) L



Procedure NA for arrivals on AUW VORTAC airway radials 271 CW 005.

ELEV 1478





CATEGORY	A	B	C	D
LPV DA	1778-1 300 (300-1)			
LNAV/VNAV DA	1814-1¼ 336 (400-1¼)			
LNAV MDA	1880-1 402 (500-1)		1880-1¼ 402 (500-1¼)	
CIRCLING	1940-1 462 (500-1)		1940-1½ 462 (500-1½)	2080-2 602 (700-2)

REIL Rwys 27 and 34 L
MIRL Rwys 9-27 and 16-34 L

EC-3, 14 JAN 2010 to 11 FEB 2010

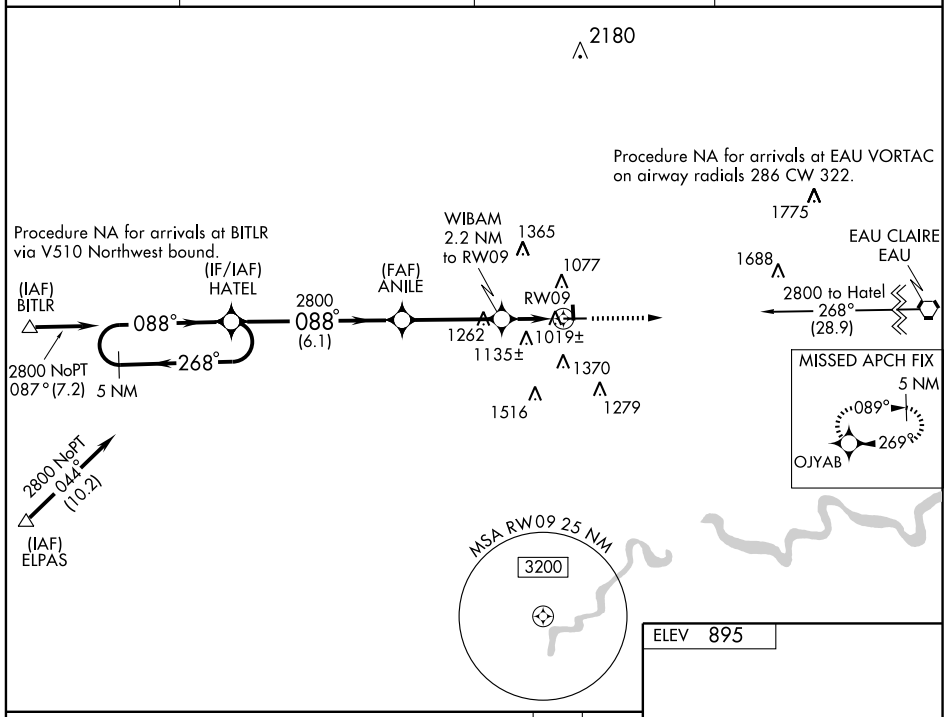
WAAS	APP CRS		
CH 40304 W09A	088°	Rwy ldg	5074
		TDZE	894
		Apt Elev	895

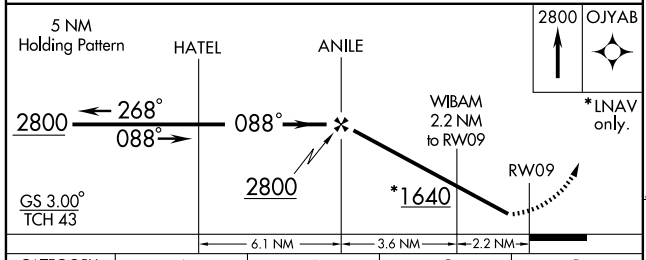
RNAV (GPS) RWY 9
MENOMONIE MUNI-SCORE FIELD (LUM)

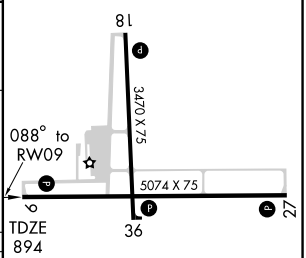
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. LNAV/VNAV minimums NA when using Chippewa Valley Rgnl altimeter setting. If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase LPV DA 41 feet and all MDAs 60 feet.

MISSED APPROACH: Climb to 2800 direct OJYAB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.025	125.3 335.6	121.725	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1193-1 299 (300-1)			NA
LNAV/VNAV DA	1279-1¼ 385 (400-1¼)			NA
LNAV MDA	1360-1 466 (500-1)		1360-1¼ 466 (500-1¼)	NA
CIRCLING	1440-1 545 (600-1)		1520-1¾ 625 (700-1¾)	NA

REIL Rwys 9, 18 and 27 L
MIRL Rwys 9-27 and 18-36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

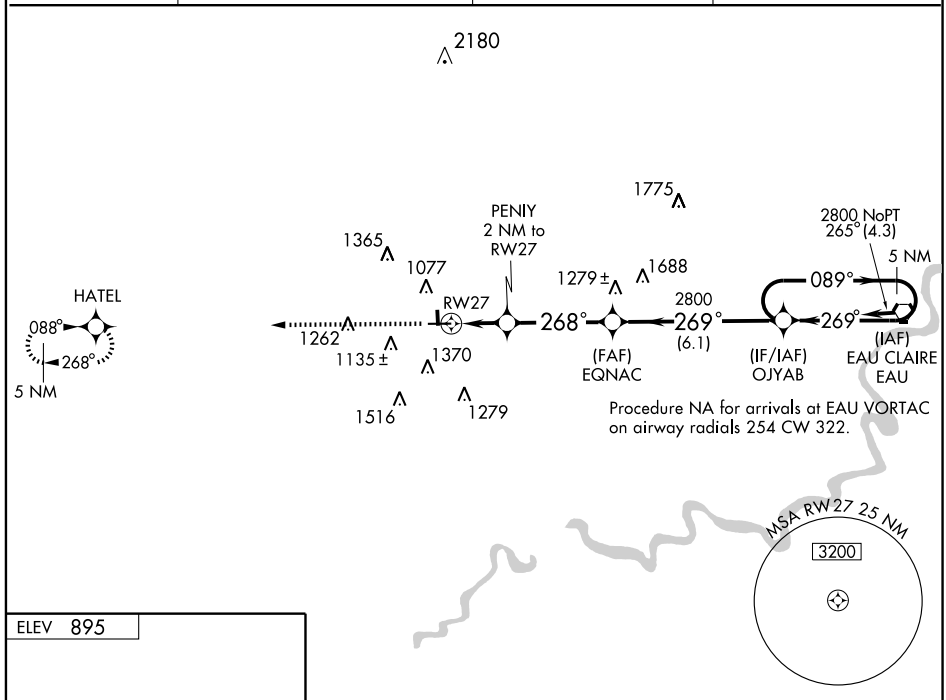
WAAS CH 97604 W27A	APP CRS 268°	Rwy ldg 5074 TDZE 894 Apt Elev 895

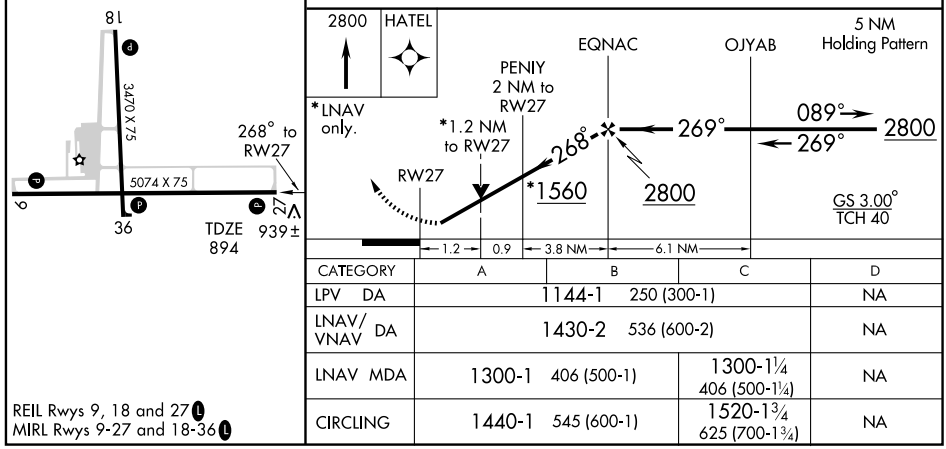
RNAV (GPS) RWY 27
MENOMONIE MUNI-SCORE FIELD (LUM)

Baro-VNAV NA when using Chippewa Valley Rgnl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA when using Chippewa Valley Rgnl altimeter setting. If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase all DAs 41 feet and all MDAs 60 feet.

MISSED APPROACH: Climb to 2800 direct HATEL and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.025	125.3 335.6	121.725	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1144-1 250 (300-1)			NA
LNAV/VNAV DA	1430-2 536 (600-2)			NA
LNAV MDA	1300-1 406 (500-1)		1300-1¼ 406 (500-1¼)	NA
CIRCLING	1440-1 545 (600-1)		1520-1¾ 625 (700-1¾)	NA

REIL Rwys 9, 18 and 27 L
MIRL Rwys 9-27 and 18-36 L

EC-3. 14 JAN 2010 to 11 FEB 2010

VORTAC EAU	APP CRS	Rwy ldg	5074
112.9	265°	TDZE	894
Chan 76		Apt Elev	895

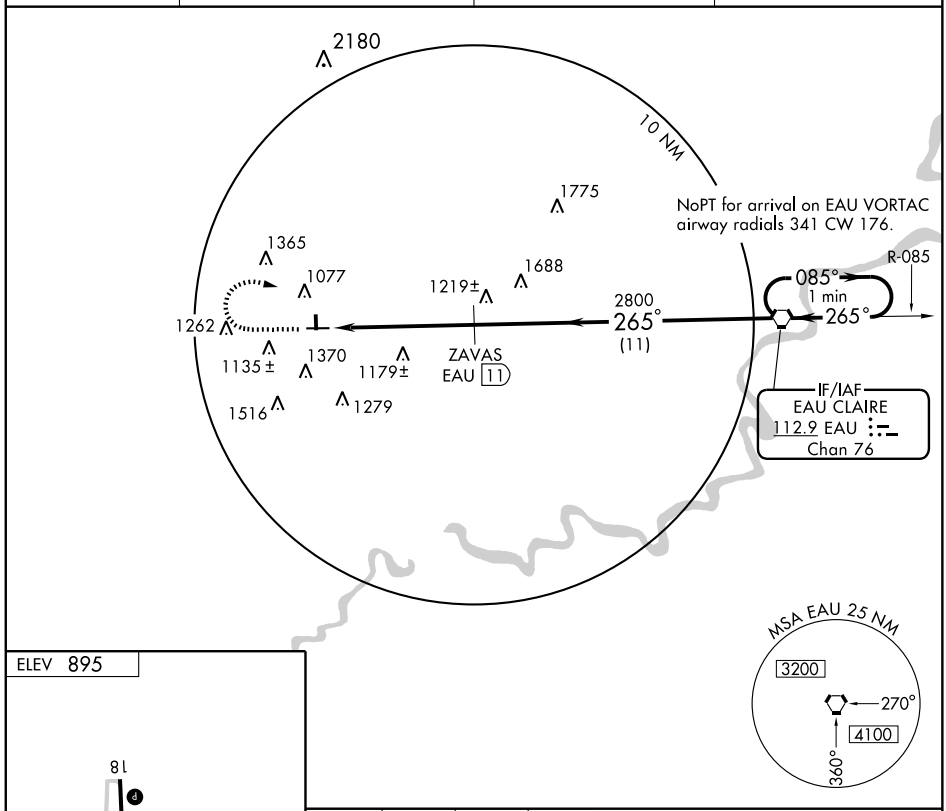
VOR/DME RWY 27

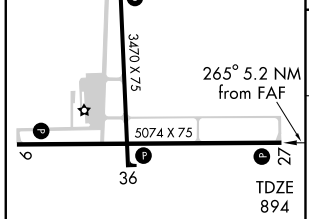
MENOMONIE MUNI-SCORE FIELD (LUM)

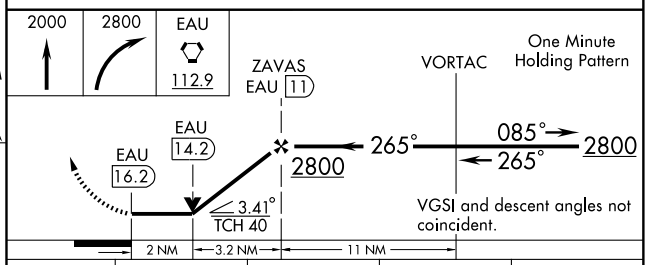
If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase all MDAs 60 feet. Visibility reduction by helicopters NA. VDP NA when using Chippewa Valley Rgnl altimeter setting.

MISSED APPROACH: Climb to 2000 then climbing right turn to 2800 direct EAU VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.025	125.3 335.6	121.725	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-27	1560-1 666 (700-1)		1560-1¾ 666 (700-1¾)	NA
CIRCLING	1560-1 665 (700-1)		1560-1¾ 665 (700-1¾)	NA

REIL Rwys 9, 18 and 27 L
MIRL Rwys 9-27 and 18-36 L

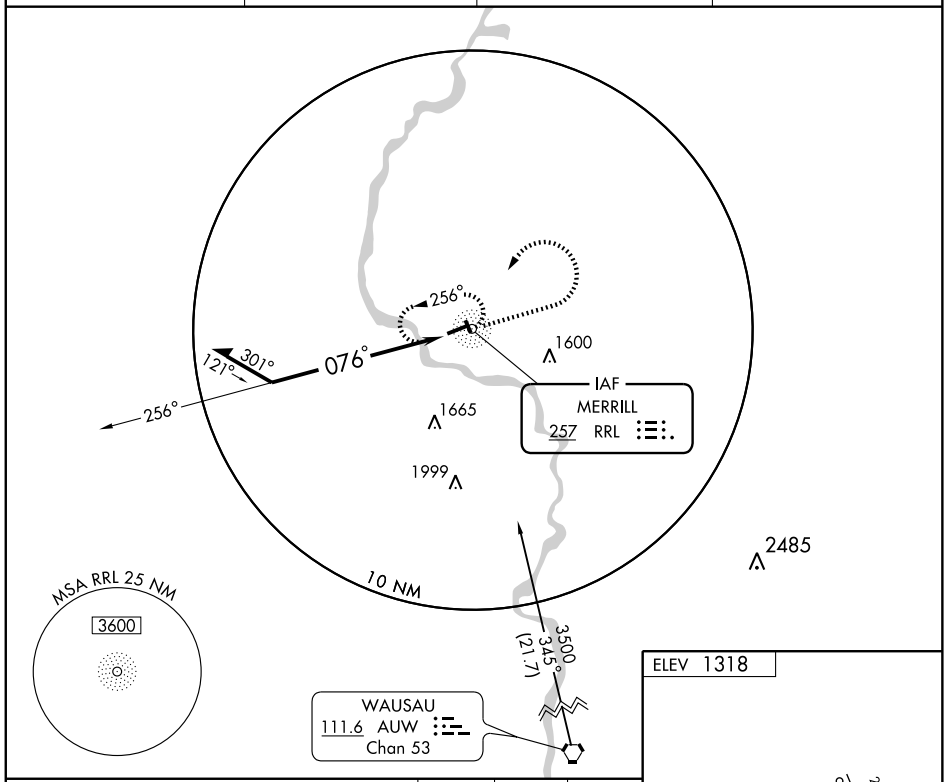
EC-3, 14 JAN 2010 to 11 FEB 2010

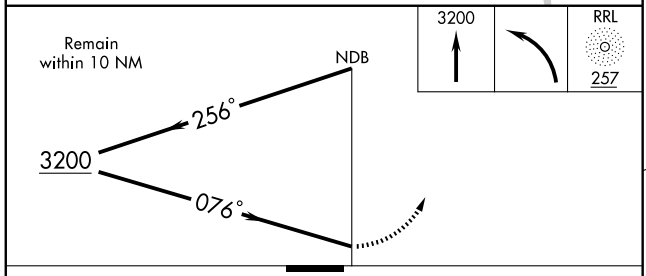
NDB RRL	APP CRS	Rwy ldg	5100
257	076°	TDZE	1318
		Apt Elev	1318

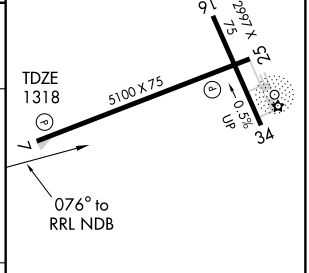
NDB RWY 7
MERRILL MUNI (RRL)

MISSED APPROACH: Climb to 3200 then left turn direct RRL NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.925	124.4 317.7	121.725	122.8 (CTAF) L







REIL Rwys 7 and 25 L
MIRL Rwys 16-34 and 7-25 L

CATEGORY	A	B	C	D
S-7	1940-1	622 (700-1)	1940-1¾ 622 (700-1¾)	NA
CIRCLING	1940-1	622 (700-1)	1940-1¾ 622 (700-1¾)	NA

Knots	60	90	120	150	180
Min:Sec					

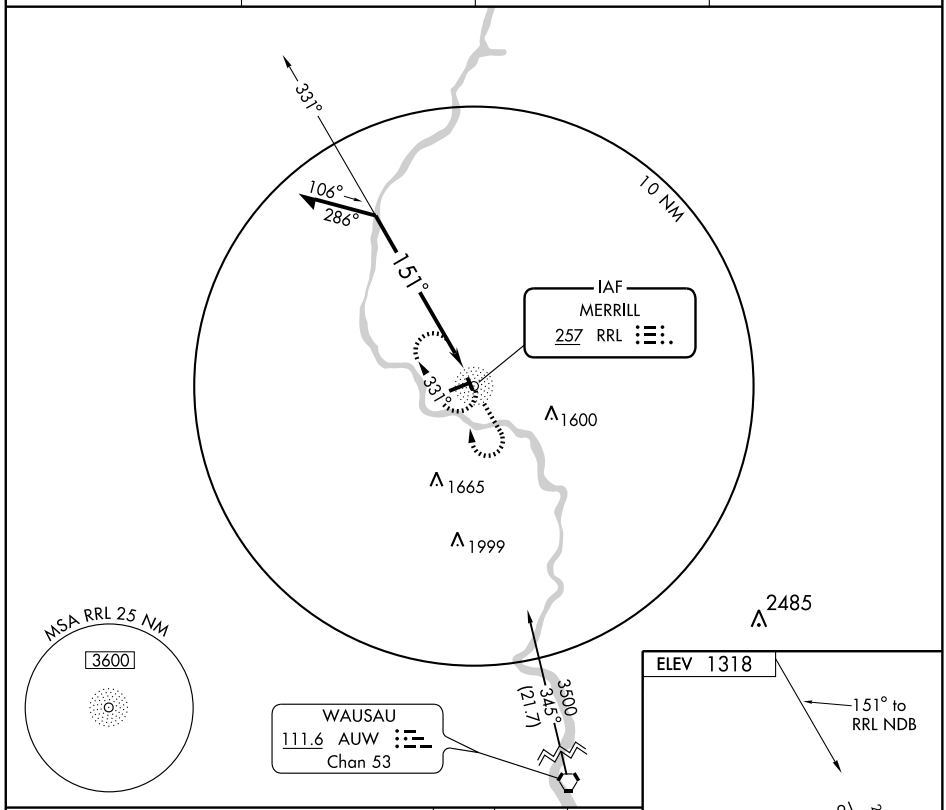
EC-3. 14 JAN 2010 to 11 FEB 2010

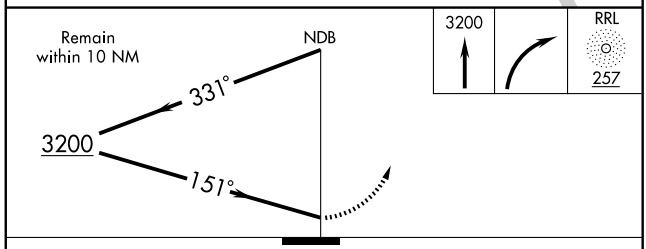
NDB RRL	APP CRS	Rwy ldg	2997
257	151°	TDZE	1317
		Apt Elev	1318

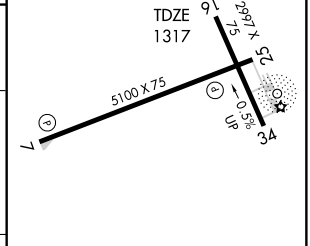
NDB RWY 16
MERRILL MUNI (RRL)

MISSED APPROACH: Climb to 3200 then right turn direct RRL NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.925	124.4 317.7	121.725	122.8 (CTAF) L







REIL Rwys 7 and 25 L
MIRL Rwys 16-34 and 7-25 L

CATEGORY	A	B	C	D
S-16	2040-1 723 (800-1)		2040-2 723 (800-2)	NA
CIRCLING	2040-1 722 (800-1)		2040-2 722 (800-2)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

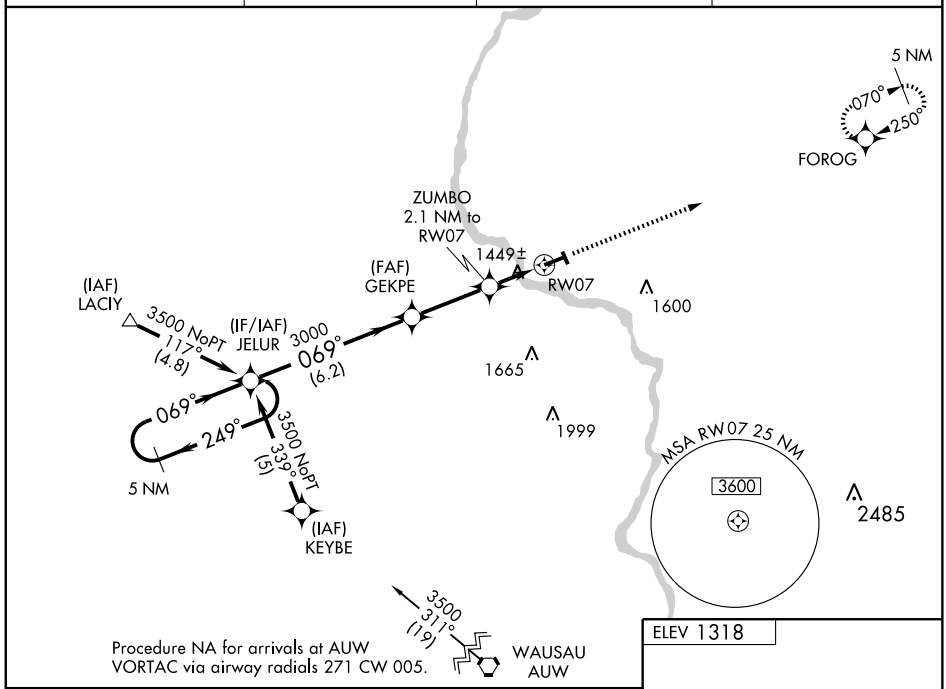
WAAS CH 70604 W07A	APP CRS 069°	Rwy ldg 5100 TDZE 1318 Apt Elev 1318

RNAV (GPS) RWY 7
MERRILL MUNI (RRL)

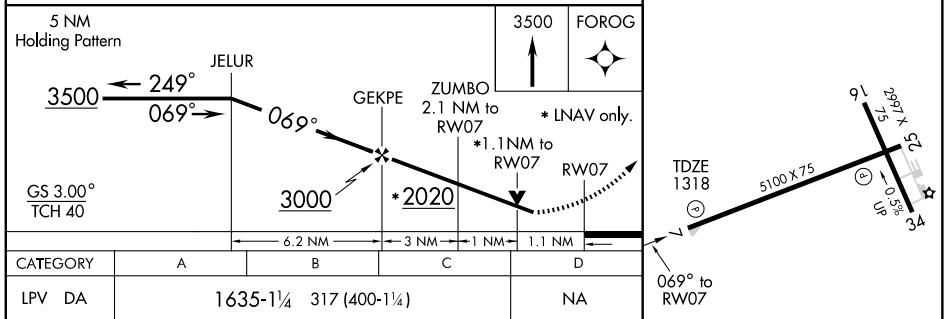
Circling to Rwy 16-34 NA at night. Baro-VNAV NA when using Wausau altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). Visibility reduction by helicopters NA. VDP NA when using Wausau altimeter setting. If local altimeter setting not received, use Wausau altimeter setting, increase all DAs 55 feet and all MDAs 60 feet. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct FOROG and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.925	124.4 317.7	121.725	122.8 (CTAF) L



Procedure NA for arrivals at AUW VORTAC via airway radials 271 CW 005.



CATEGORY	A	B	C	D
LPV DA	1635-1¼ 317 (400-1¼)			NA
LNAV/VNAV DA	1754-1½ 436 (500-1½)			NA
LNAV MDA	1700-1 382 (400-1)			NA
CIRCLING	1760-1 442 (500-1)	1780-1 462 (500-1)	1780-1½ 462 (500-1½)	NA

REIL Rwys 7 and 25 L
MIRL Rwys 16-34 and 7-25 L

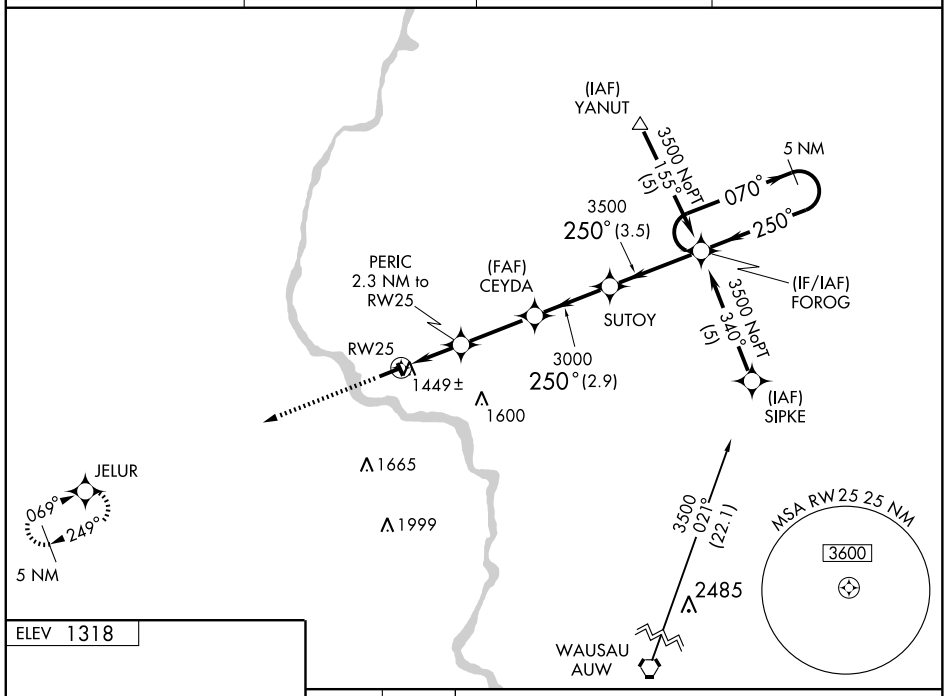
WAAS CH 49104 W25A	APP CRS 250°	Rwy ldg 5100 TDZE 1311 Apt Elev 1318

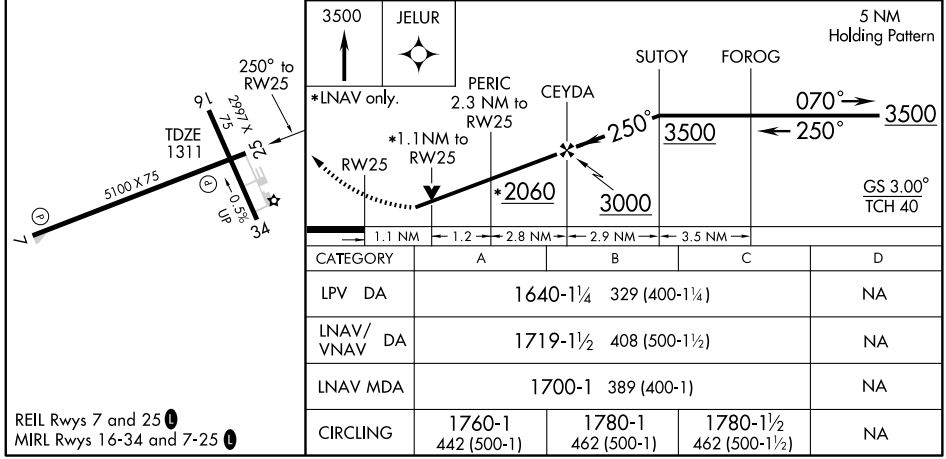
RNAV (GPS) RWY 25
MERRILL MUNI (RRL)

Circling to Rwy 16-34 NA at night. Baro-VNAV NA when using Wausau altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA when using Wausau altimeter setting. If local altimeter setting not received, use Wausau altimeter setting, increase all DAs 55 feet; increase all MDAs 60 feet.

MISSED APPROACH: Climb to 3500 direct JELUR and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
119.925	124.4 317.7	121.725	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1640-1¼ 329 (400-1¼)			NA
LNAV/VNAV DA	1719-1½ 408 (500-1½)			NA
LNAV MDA	1700-1 389 (400-1)			NA
CIRCLING	1760-1 442 (500-1)	1780-1 462 (500-1)	1780-1½ 462 (500-1½)	NA

REIL Rwys 7 and 25 L
MIRL Rwys 16-34 and 7-25 L

EC-3, 14 JAN 2010 to 11 FEB 2010

MIDDLETON, WISCONSIN AL-6171 (FAA)

LOC/DME I-CFQ	APP CRS	Rwy ldg	4000
110.35	101°	TDZE	928
Chan 40 (Y)		Apt Elev	928

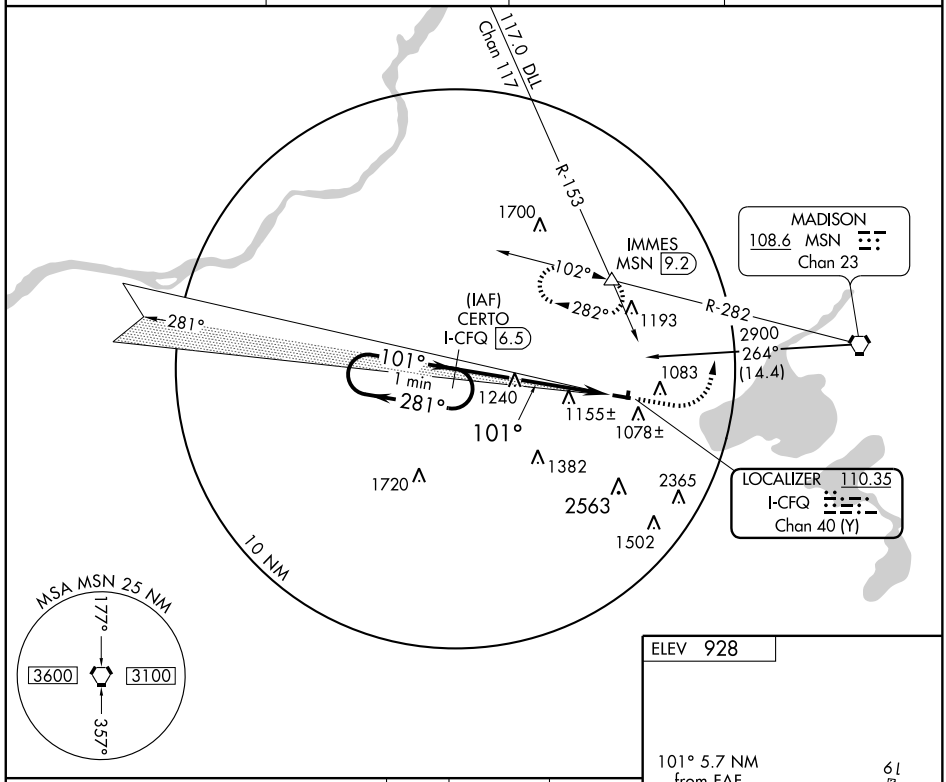
LOC/DME RWY 10

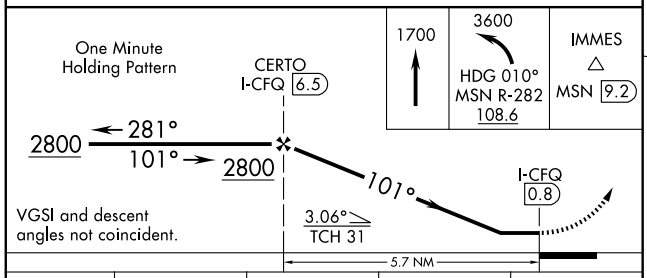
MIDDLETON MUNI - MOREY FIELD (C29)

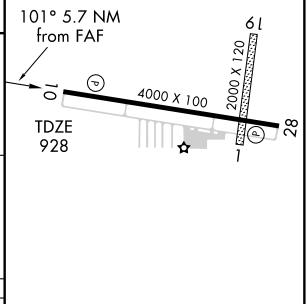
T A NA Visibility reduction by helicopters NA. Use Dane County Rgnl-Truax Field altimeter setting, when not received use Baraboo Wisconsin Dells altimeter setting and increase all MDA 60 feet, and increase S-10 Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 1700 then climbing left turn to 3600 via heading 010° and MSN VORTAC R-282 to IMMES Int/MSN 9.2 DME and hold, continue climb-in-hold to 3600.

DANE COUNTY RGNL ATIS	MADISON APP CON★	GCO	UNICOM
124.65 278.3	135.45 343.7	121.725	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-10	1580-1 652 (700-1)		1580-1¾ 652 (700-1¾)	NA
CIRCLING	1580-1 652 (700-1)	1600-1 672 (700-1)	1600-2 672 (700-2)	NA

MIRL Rwy 10-28 L
REIL Rwys 10 and 28 L

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 62912 W10A	APP CRS 101°	Rwy ldg 4000 TDZE 928 Apt Elev 928

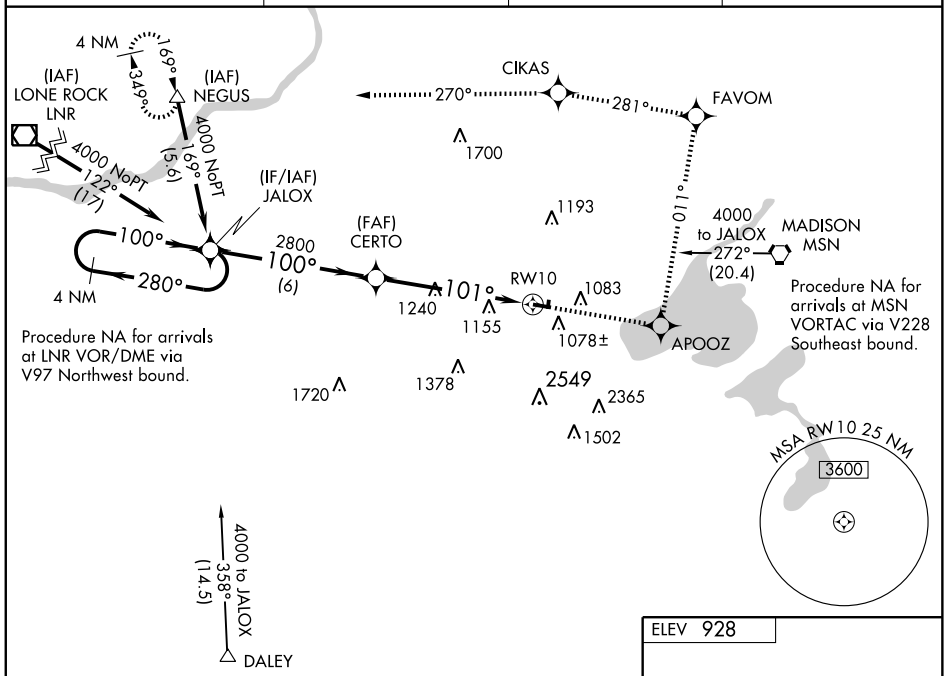
RNAV (GPS) RWY 10
MIDDLETON MUNI - MOREY FIELD (C29)

NA

Baro-VNAV NA. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Dane County Rgnl-Truax Field altimeter setting, when not received use Baraboo Wisconsin Dells altimeter setting and increase all DA 43 feet and all MDA 60 feet, increase LPV and LNAV/VNAV all Cats. and LNAV Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 4000 direct APOOZ and via 011° track to FAVOM and via 281° track to CIKAS and via 270° track to NEGUS and hold.

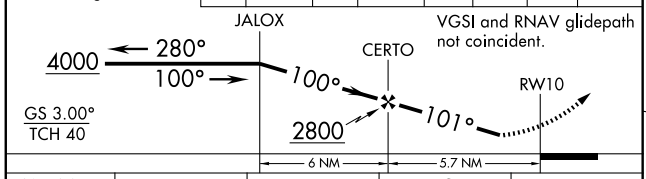
DANE COUNTY RGNL ATIS	MADISON APP CON★	GCO	UNICOM
124.65 278.3	135.45 343.7	121.725	123.0 (CTAF)

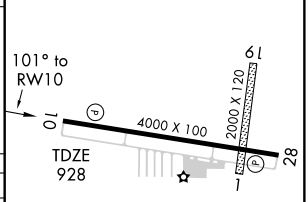


ELEV 928

4 NM Holding Pattern

4000	APOOZ	011° TRK	FAVOM	281° TRK	CIKAS	270° TRK	NEGUS





CATEGORY	A	B	C	D
LPV DA	1450-1¾ 522 (600-1¾)			NA
LNAV/VNAV DA	1559-2¼ 631 (700-2¼)			NA
LNAV MDA	1580-1 652 (700-1)		1580-1¾ 652 (700-1¾)	NA
CIRCLING	1580-1 652 (700-1)	1600-1 672 (700-1)	1600-2 672 (700-2)	NA

MIRL Rwy 10-28 L
REIL Rwys 10 and 28 L

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 82404 W28A	APP CRS 281°	Rwy ldg 4000 TDZE 928 Apt Elev 928

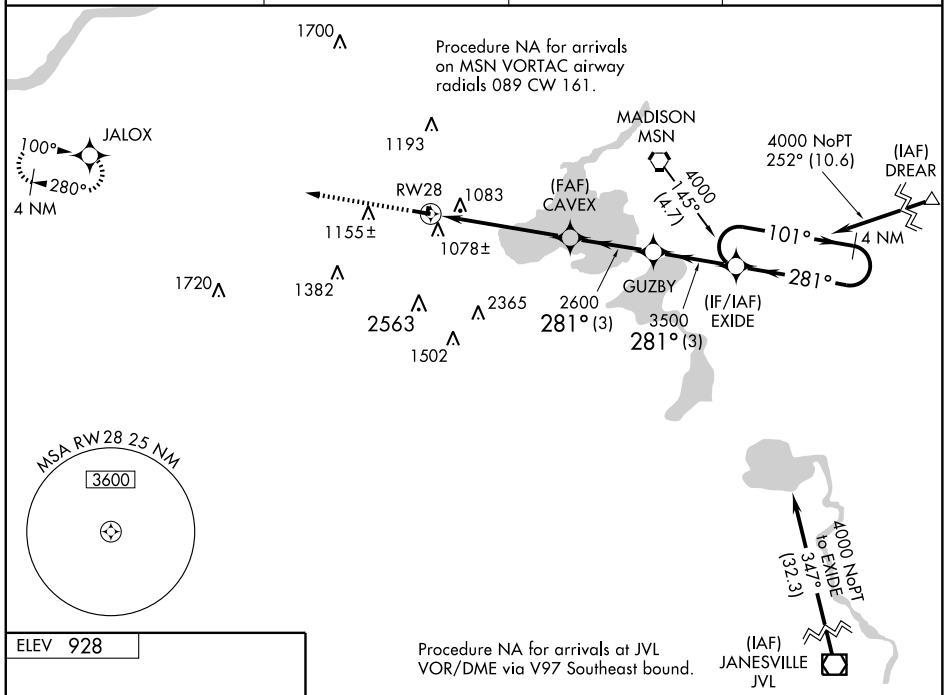
RNAV (GPS) RWY 28
MIDDLETON MUNI - MOREY FIELD (C29)

Baro-VNAV NA. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Dane County Rgnl-Truax Field altimeter setting, when not received use Baraboo Wisconsin Dells altimeter setting and increase all DA 43 feet and all MDA 60 feet, increase LNAV/VNAV all Cats. and LNAV Cat. C visibility ¼ mile.

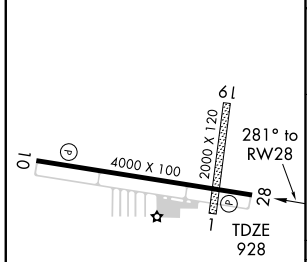
NA

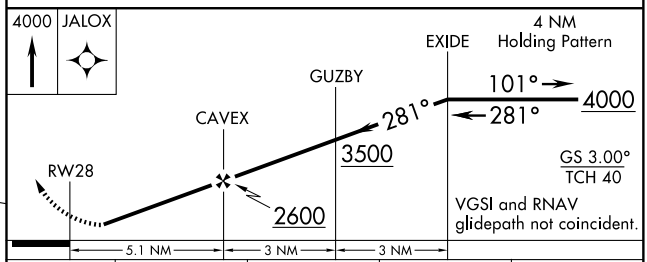
MISSED APPROACH: Climb to 4000 direct JALOX and hold.

DANE COUNTY RGNL ATIS	MADISON APP CON★	GCO	UNICOM
124.65 278.3	135.45 343.7	121.725	123.0 (CTAF) L



ELEV 928





CATEGORY	A	B	C	D
LPV DA	1326-1½ 398 (400-1½)			NA
LNAV/VNAV DA	1442-1¾ 514 (600-1¾)			NA
LNAV MDA	1480-1 552 (600-1)		1480-1½ 552 (600-1½)	NA
CIRCLING	1560-1 632 (700-1)	1600-1 672 (700-1)	1600-2 672 (700-2)	NA

MIRL Rwy 10-28 L
REIL Rwys 10 and 28 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	4000
108.6	076°	TDZE	928
Chan 23		Apt Elev	928

VOR RWY 10

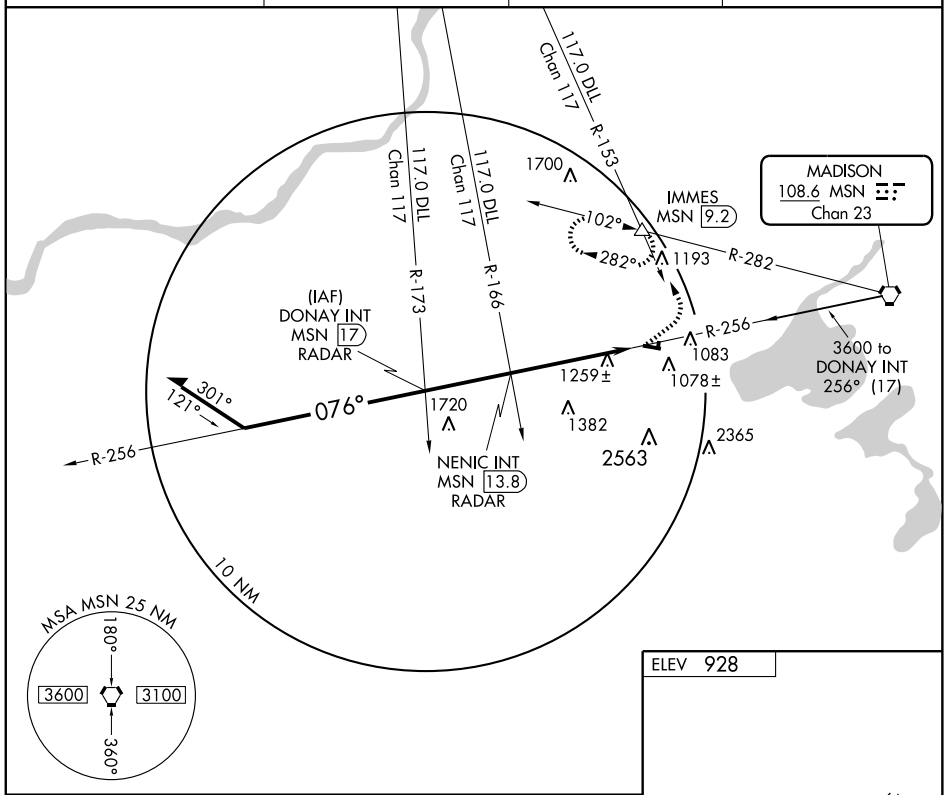
MIDDLETON MUNI - MOREY FIELD (C29)

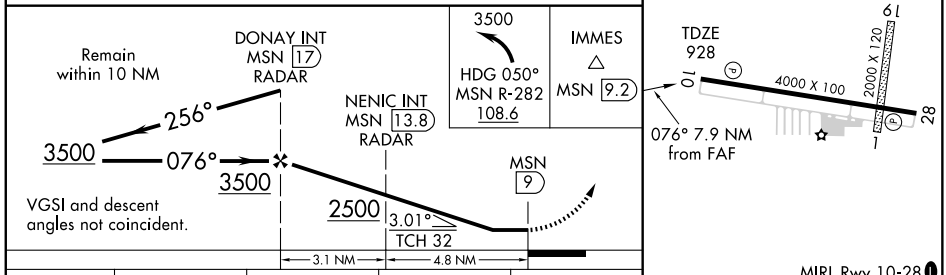
Use Dane County Rgnl-Truax Field altimeter setting, if not received use Baraboo Wisconsin Dells altimeter setting and increase all MDAs 60 feet.

NA

MISSED APPROACH: Climbing left turn to 3500 via heading 050° and MSN R-282 to IMMES Int/9.2 DME and hold, continue climb-in hold to 3500.

DANE COUNTY RGNL ATIS	MADISON APP CON★	GCO	UNICOM
124.65 278.3	135.45 343.7	121.725	123.0 (CTAF) L





MIRL Rwy 10-28 L
REIL Rwys 10 and 28 L

CATEGORY	A	B	C	D
S-10	1540-1	612 (700-1)	1540-1¾ 612 (700-1¾)	NA
CIRCLING	1560-1 632 (700-1)	1600-1 672 (700-1)	1600-2 672 (700-2)	NA

FAF to MAP 7.9 NM

Knots	60	90	120	150	180
Min:Sec	7:54	5:16	3:57	3:10	2:38

EC-3. 14 JAN 2010 to 11 FEB 2010

VORTAC MSN	APP CRS	Rwy ldg	4000
108.6	254°	TDZE	928
Chan 23		Apt Elev	928

VOR RWY 28

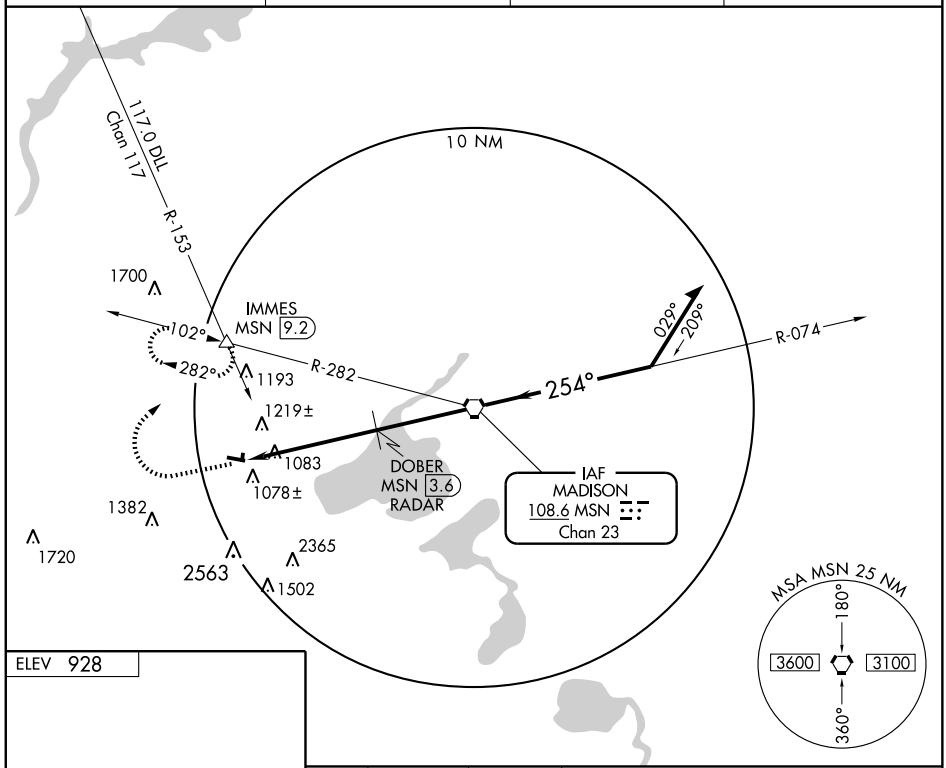
MIDDLETON MUNI - MOREY FIELD (C29)

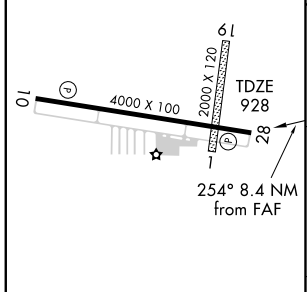
NA

Use Dane County Rgnl-Truax Field altimeter setting, if not received use Baraboo Wisconsin Dells altimeter setting and increase all MDAs 60 feet. RADAR or DME REQUIRED.

MISSED APPROACH: Climb to 2000 then climbing right turn to 3500 via heading 020° and MSN R-282 to IMMES Int/9.2 DME and hold.

DANE COUNTY RGNL ATIS	MADISON APP CON★	GCO	UNICOM
124.65 278.3	135.45 343.7	121.725	123.0 (CTAF)

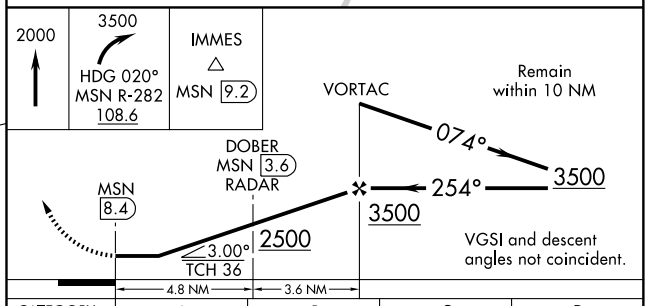




MIRL Rwy 10-28

REIL Rwys 10 and 28

FAF to MAP 8.4 NM					
Knots	60	90	120	150	180
Min:Sec	8:24	5:36	4:12	3:22	2:48



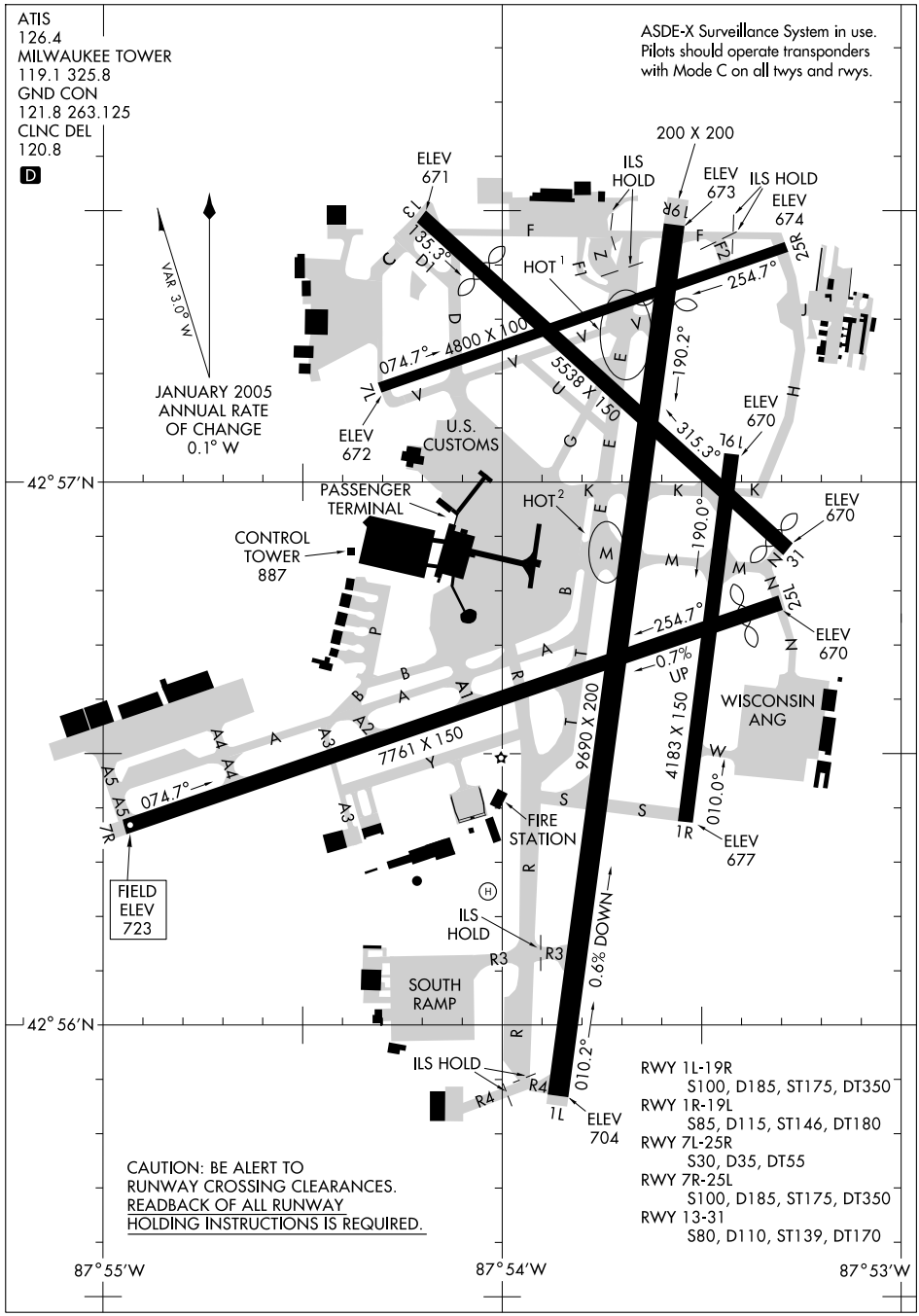
CATEGORY	A	B	C	D
S-28	1500-1 572 (600-1)		1500-1½ 572 (600-1½)	NA
CIRCLING	1560-1 632 (700-1)	1600-1 672 (700-1)	1600-2 672 (700-2)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

AL-262 (FAA)

MILWAUKEE/GENERAL MITCHELL INTL (MKE)
MILWAUKEE, WISCONSIN



LOC/DME I-MKE	APP CRS	Rwy 1L ldg 9690	Rwy 1R ldg 4183
110.3	009°	TDZE 704	TDZE 677
Chan 40		Apt Elev 723	Apt Elev 723

ILS or LOC RWY 1L

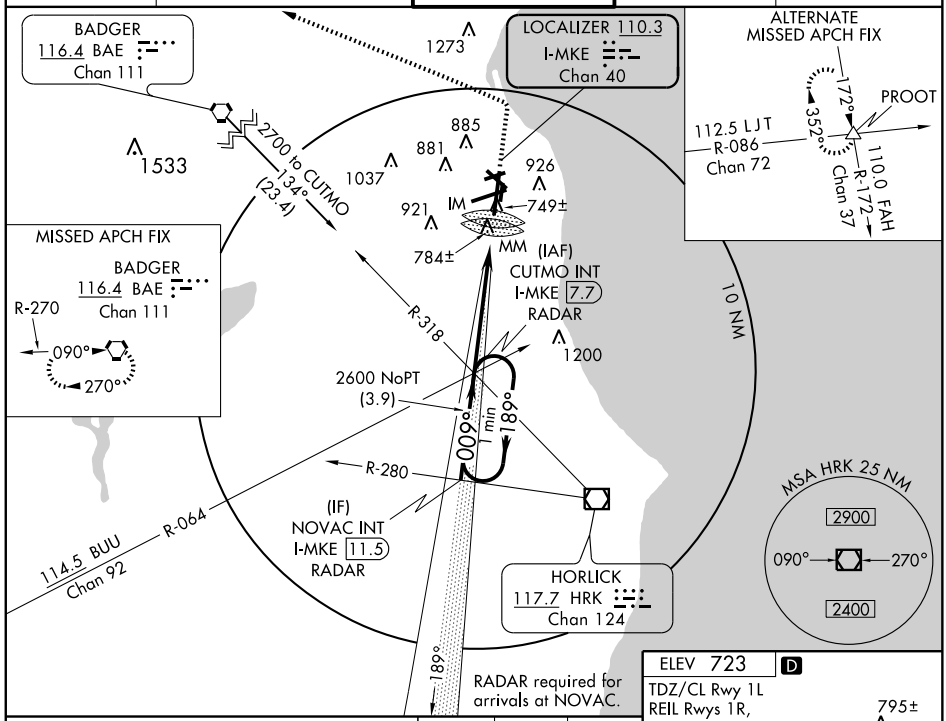
MILWAUKEE/ GENERAL MITCHELL INTL (MKE)

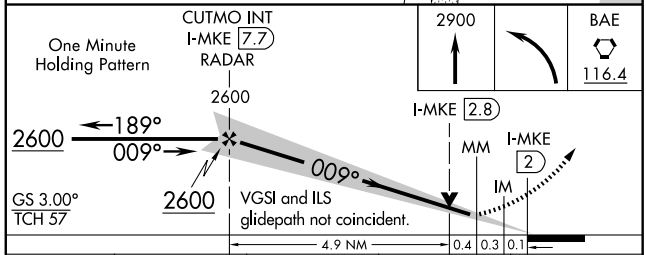
For inoperative ALSF-2, increase S-LOC 1L Cat D visibility to RVR 5000.

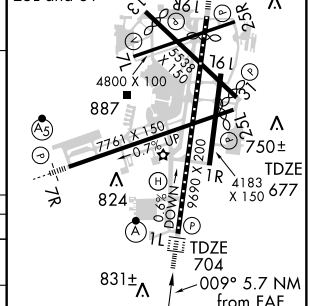
ALSF-2 Rwy 1L

MISSED APPROACH: Climb to 2900 then left turn direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8







CATEGORY	A	B	C	D
S-ILS 1L	904/18 200 (200-½)			
S-LOC 1L	1040/24 336 (400-½)			1040/40 336 (400-¾)
SIDESTEP 1R	1040-1 363 (400-1)		1040-1½ 363 (400-1½)	1040-2 363 (400-2)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-GMF	APP CRS	Rwy ldg 7761
111.5	074°	TDZE 723
Chan 52		Apt Elev 723

ILS or LOC RWY 7R

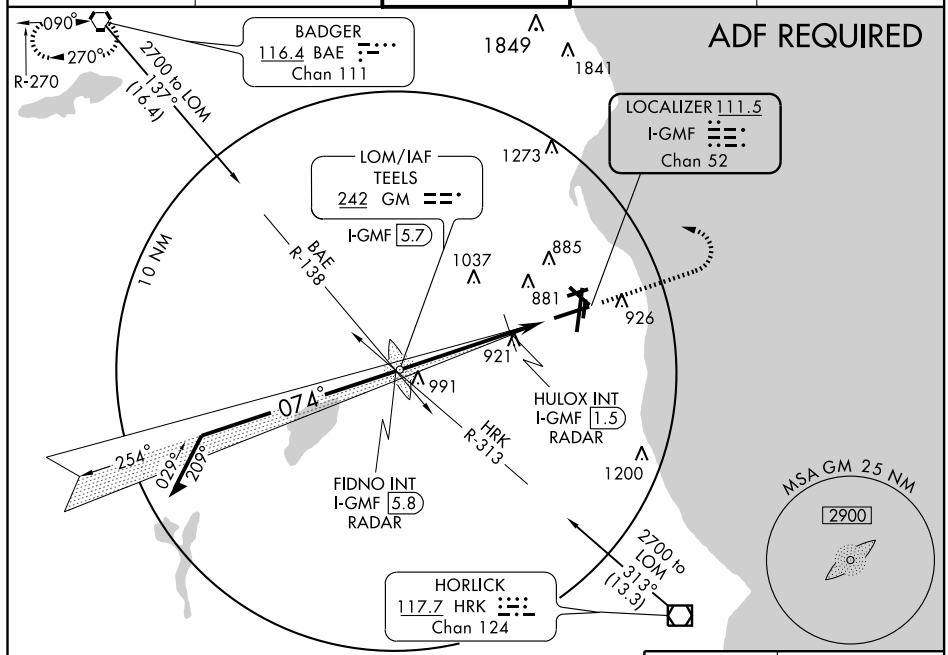
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

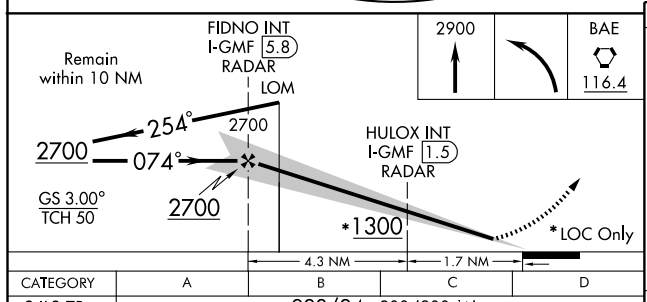
**RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 2900 then left turn direct BAE VORTAC and hold.

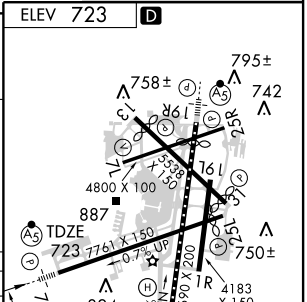
ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





CATEGORY	A	B	C	D
S-ILS 7R	** 923/24 200 (200-½)			
S-LOC 7R	1300/24 577 (600-½)		1300/50 577 (600-1)	1300/60 577 (600-1¼)
CIRCLING	1300-1 577 (600-1)		1300-1½ 577 (600-1½)	1300-2 577 (600-2)
HULOX FIX MINIMUMS				
S-LOC 7R	1180/24 457 (500-½)		1180/40 457 (500-¾)	1180/50 457 (500-1)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

ELEV 723 D



TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-BLY	APP CRS	Rwy 19R ldg	Rwy 19L ldg
110.3	189°	8915	4183
		TDZE 672	TDZE 674
		Apt Elev 723	Apt Elev 723

ILS or LOC RWY 19R
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

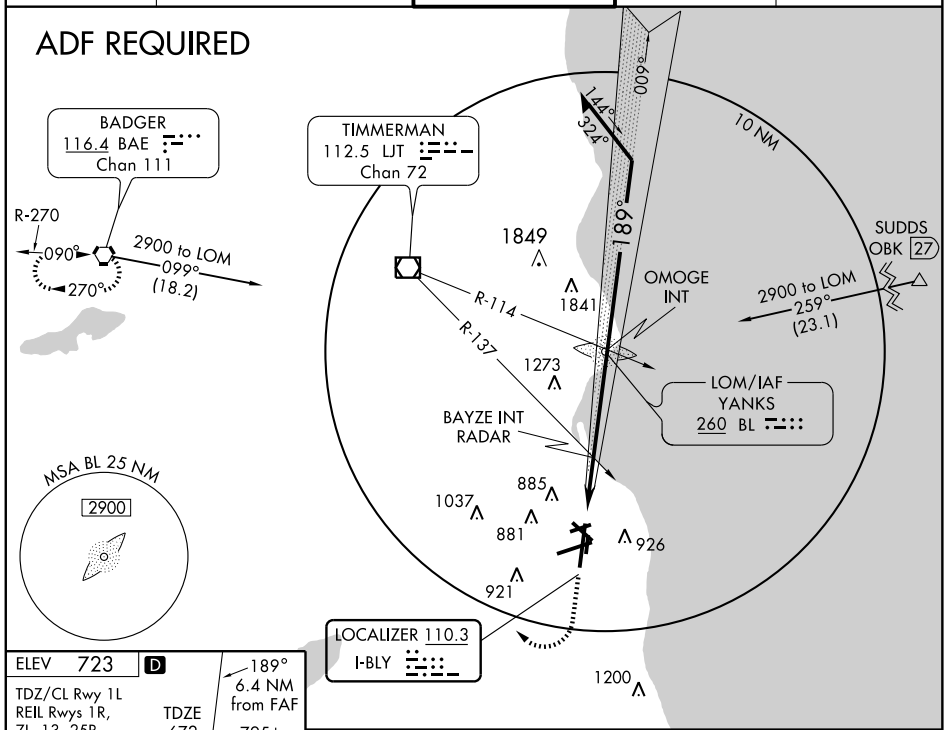
T

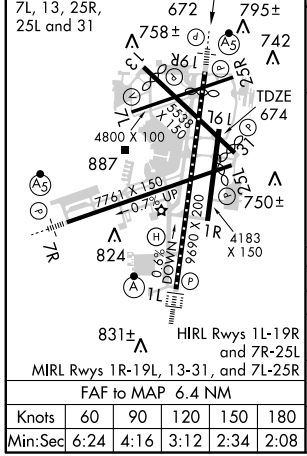
*RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR Rwy 19R

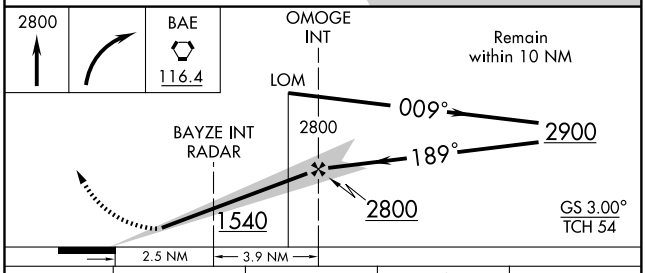
MISSED APPROACH: Climb to 2800 then right turn direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





FAF to MAP 6.4 NM					
Knots	60	90	120	150	180
Min:Sec	6:24	4:16	3:12	2:34	2:08



CATEGORY	A	B	C	D
S-ILS 19R	*872/24 200 (200-½)			
S-LOC 19R	1160/24 488 (500-½)		1160/40 488 (500-¾)	1160/50 488 (500-1)
SIDESTEP 19L	1160-1 486 (500-1)		1160-1½ 486 (500-1½)	1160-2 486 (500-2)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

LOC/DME I-MKE	APP CRS	Rwy 1L ldg 9690
110.3	009°	TDZE 704
Chan 40		Apt Elev 723

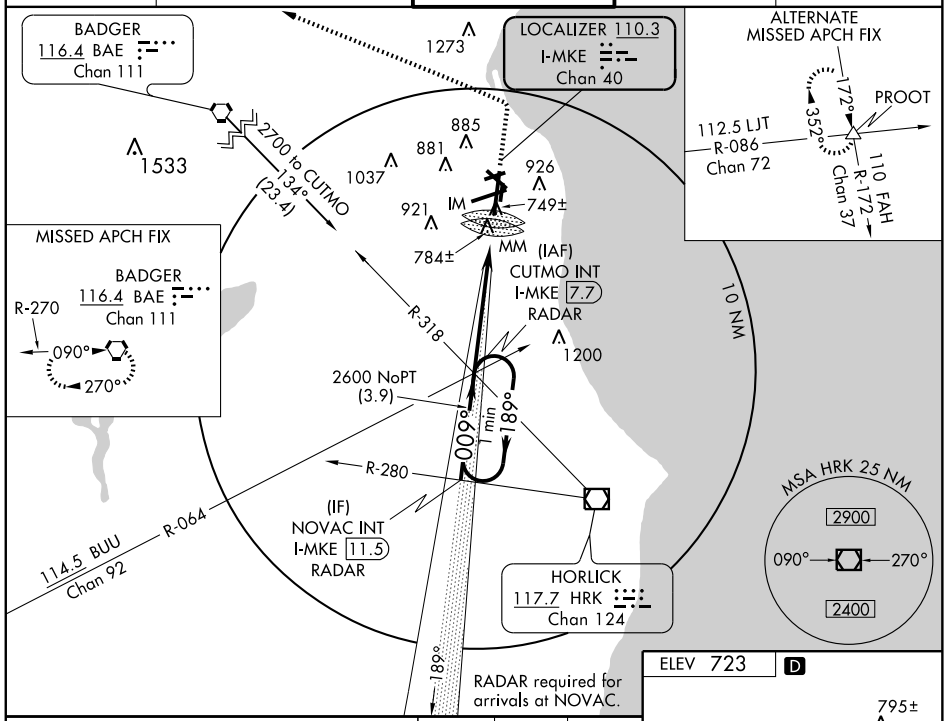
ILS RWY 1L (CAT II)

MILWAUKEE/GENERAL MITCHELL INTL (MKE)

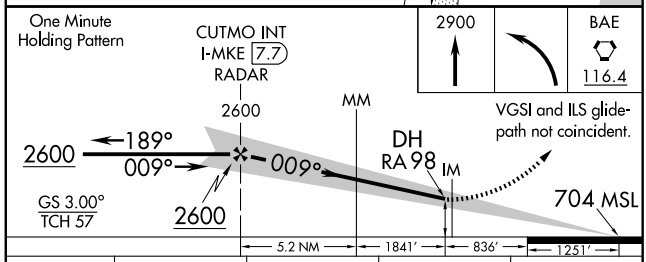
ALSF-2 Rwy 1L

MISSED APPROACH: Climb to 2900 then left turn direct BAE VORTAC and hold.

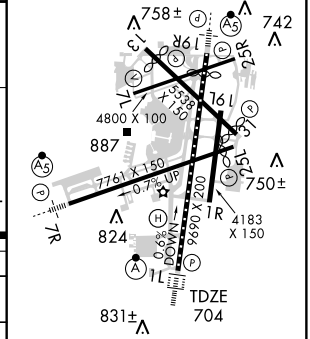
ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8



EC-3, 14 JAN 2010 to 11 FEB 2010



CATEGORY	A	B	C	D
S-ILS 1L	RA 98/12 100 DA 804			



CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

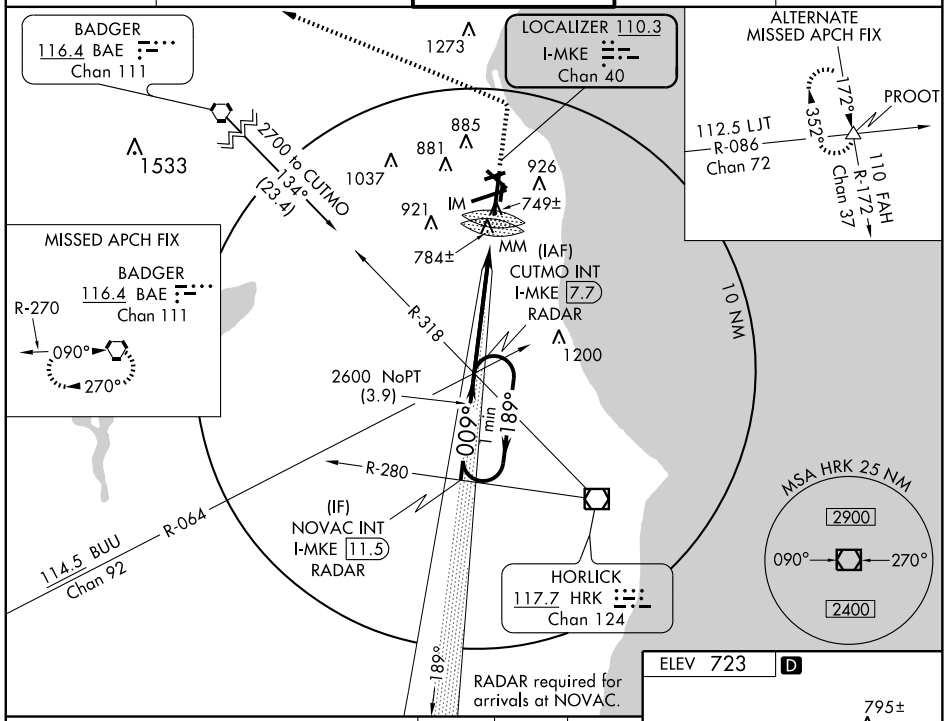
LOC/DME I-MKE	APP CRS	Rwy 1L ldg 9690
110.3	009°	TDZE 704
Chan 40		Apt Elev 723

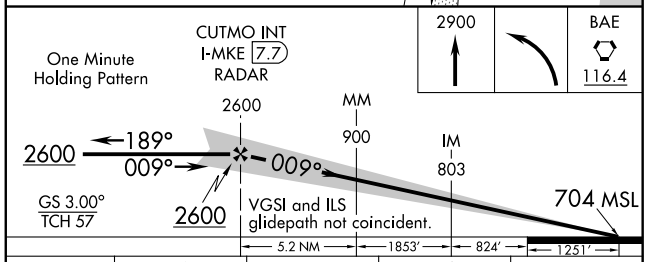
ILS RWY 1L (CAT III)
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

ALSF-2 Rwy 1L

MISSED APPROACH: Climb to 2900 then left turn direct BAE VORTAC and hold.

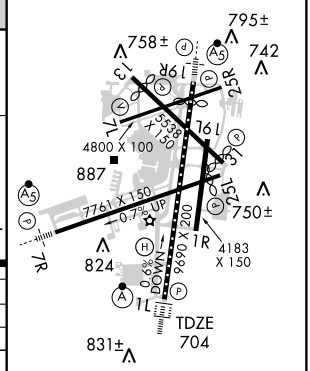
ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





CATEGORY	A	B	C	D
S-ILS 1L		CAT IIIa	RVR 07	
S-ILS 1L		CAT IIIb	RVR 06	
S-ILS 1L		CAT IIIc	NA	

ELEV 723 D



TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

CATEGORY III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

EC-3. 14 JAN 2010 to 11 FEB 2010

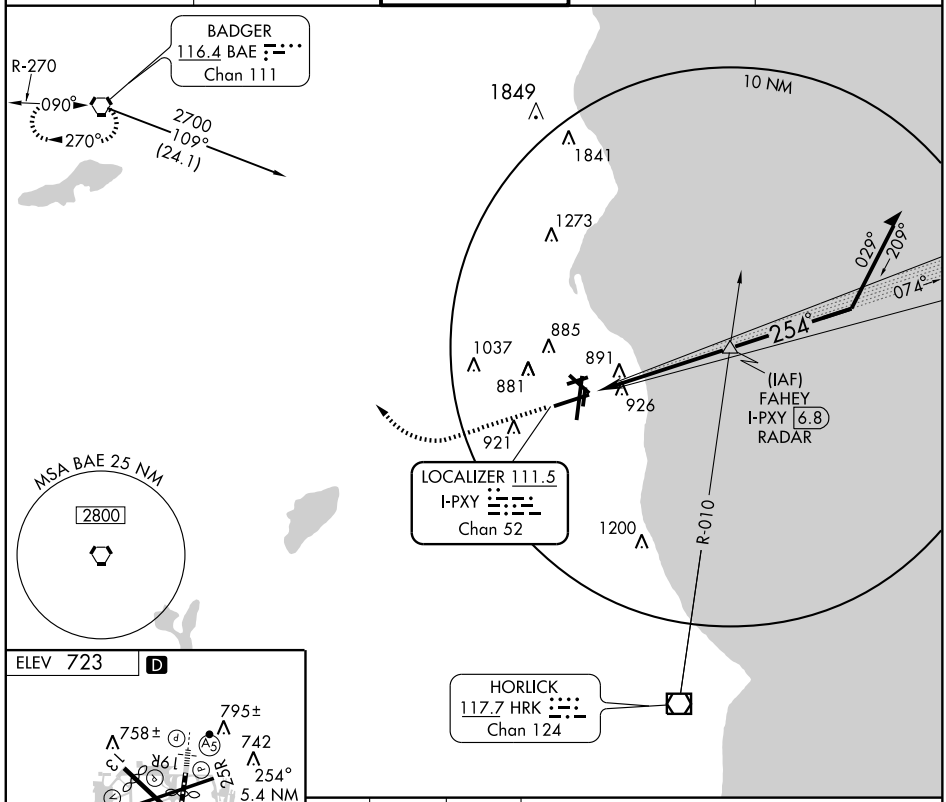
LOC/DME I-PXY 111.5 Chan 52	APP CRS 254°	Rwy ldg 7329 TDZE 683 Apt Elev 723

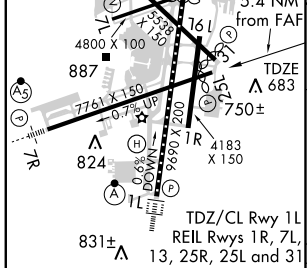
LOC RWY 25L

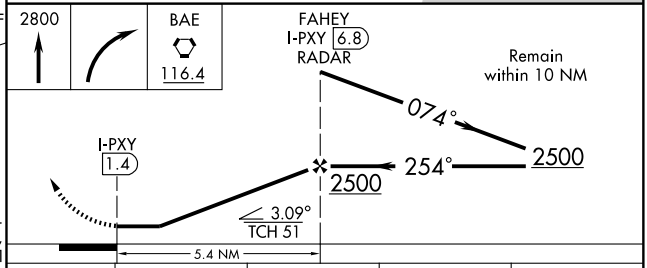
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

MISSED APPROACH: Climb to 2800 then right turn direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8







FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

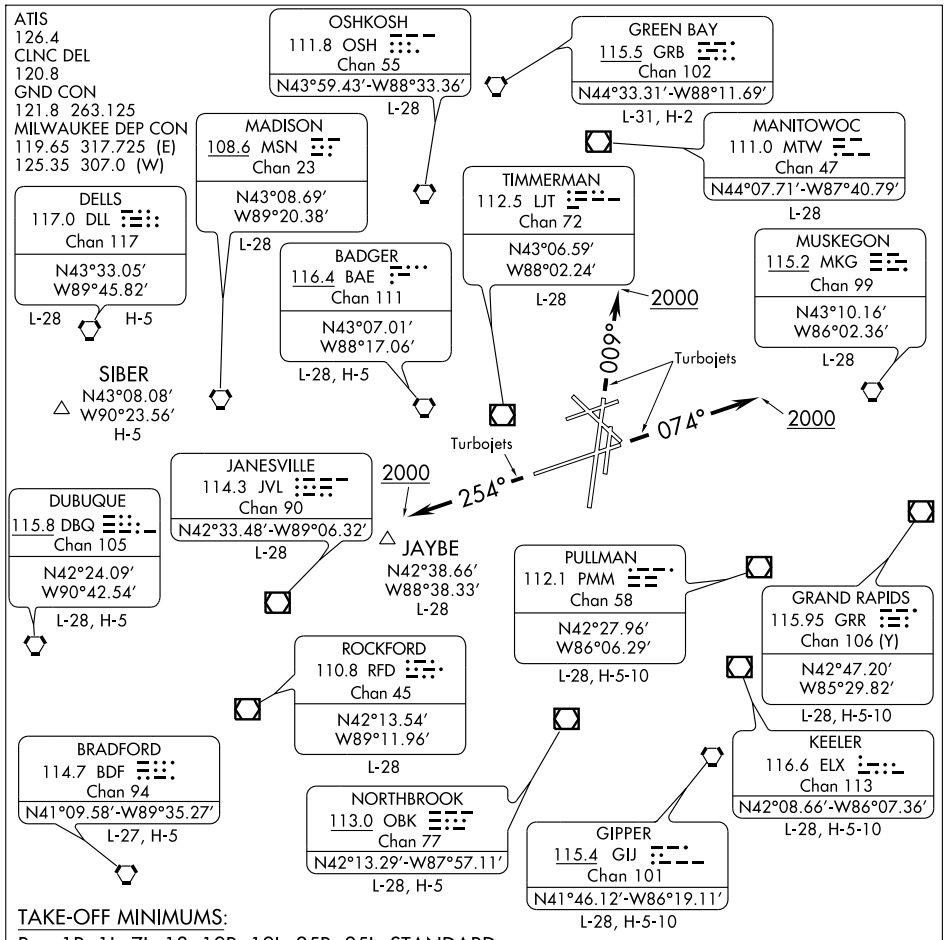
CATEGORY	A	B	C	D
S-25L	1160-1 477 (500-1)		1160-1¼ 477 (500-1¼)	1160-1½ 477 (500-1½)
CIRCLING	1280-1 557 (600-1)		1280-1½ 557 (600-1½)	1280-2 557 (600-2)

(MITCH1.MITCH) 09351

MITCHELL ONE DEPARTURE

SL-262 (FAA)

MILWAUKEE/ GENERAL MITCHELL INTL (MKE)
MILWAUKEE, WISCONSIN



TAKE-OFF MINIMUMS:

Rwy 1R, 1L, 7L, 13, 19R, 19L, 25R, 25L, STANDARD.

Rwy 7R, 300-1½ or STANDARD with a minimum climb of 300 feet per NM to 1100.

Rwy 31, 300-1½ or STANDARD with a minimum climb of 257 feet per NM to 1000.

SPECIAL INSTRUCTIONS: For all Turbojet aircraft:

TAKE-OFF Runway 1L: Climb heading 009° to 2000, then turn to assigned heading.

TAKE-OFF Runway 7R: Climb heading 074° to 2000, then turn to assigned heading.

TAKE-OFF Runway 19R: Turn to assigned heading.

TAKE-OFF Runway 25L: Climb heading 254° to 2000, then turn to assigned heading.

NOTE: RADAR Required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

All aircraft expect radar vectors to join filed/assigned route. Maintain 5000′ or assigned lower altitude. Expect clearance to requested altitude/flight level ten minutes after departure.

EC-3, 14 JAN 2010 to 11 FEB 2010

TAKE-OFF OBSTACLES:

RWY 1R, Antenna, 581′ from DER, 600′ left of centerline, 46′ AGL/719′ MSL. Trees beginning 3210′ from DER, 462′ right of centerline, up to 100′ AGL/795′ MSL.

RWY 1L, Fence, beginning 148′ from DER, 391′ left of centerline, up to 4′ AGL/679′ MSL. Vehicle on road, 459′ from DER, 577′ left of centerline, 17′ AGL/696′ MSL. Pole, 575′ from DER, 593′ left of centerline, 6′ AGL/689′ MSL. Pole, 1859′ from DER, 912′ right of centerline, 18′ AGL/734′ MSL. Antenna, 1928′ from DER, 1′ right of centerline, 15′ AGL/727′ MSL. Pole 2291′ from DER, 937′ right of centerline, 28′ AGL/750′ MSL. Tower, 2284′ from DER, 463′ right of centerline, 17′ AGL/739′ MSL. Pole, 2393′ from DER , 683′ right of centerline, 14′ AGL/ 736′ MSL. Trees, beginning 2492′ from DER, 971′ left of centerline, up to 54′ AGL/ 780′ MSL. Trees, beginning 2816′ from DER, 154′ right of centerline, up to 100′ AGL/799′ MSL.

RWY 7R, Multiple poles beginning 457′ from DER, 456′ right of centerline, up to 36′ AGL/ 709′ MSL. Train on track, 566′ from DER, 12′ right of centerline, to 23′ AGL/734′ MSL. Multiple poles beginning 801′ from DER, 199′ left of centerline, up to 38′ AGL/711′ MSL. Trees, beginning 1211′ from DER, 186′ right of centerline, up to 100′ AGL/779′ MSL. Tree, 2192′ from DER, 456′ left of centerline, 66′ AGL/742′ MSL. Stack, 1.1 NM from DER, 2171′ right of centerline, 210′ AGL/926′ MSL. Stack, 1.2 NM from DER, 1164′ left of centerline, 180′ AGL/891′ MSL.

RWY 7L, Hanger, 319′ from DER, 456′ right of centerline, 13′ AGL/696′ MSL. Tree, 730′ from DER, 675′ left of centerline, 100′ AGL/779′ MSL. Pole, 1727′ from DER, 194′ left of centerline, 55′ AGL/751′ MSL. Tower, 1864′ from DER, 48′ left of centerline, 30′ AGL/742′ MSL.

RWY 13, Multiple light poles beginning 379′ from DER, 156′ left of centerline, up to 36′ AGL/709′ MSL. Multiple light poles beginning 858′ from DER, 144′ right of centerline, up to 36′ AGL/709′ MSL. Train on track, 556′ from DER, 405′ left of centerline, 23′ AGL/734′ MSL. Multiple trees beginning 1222′ from DER, 206′ left of centerline, up to 100′ AGL/779′ MSL. Multiple trees beginning 1067′ from DER, 406′ right of centerline, up to 100′ AGL/770′ MSL.

RWY 19L, Tree, 1785′ from DER, 863′ left of centerline, 100′ AGL/779′ MSL. Rod on glide slope antenna, 1837′ from DER, 559′ right of centerline, 63′ AGL/749′ MSL.

RWY 19R, Tree, 778′ from DER, 647′ right of centerline, 100′ AGL/809′ MSL. Vehicle on road, 398′ from DER, 588′ left of centerline, 17′ AGL/726′ MSL.

RWY 25L, Tree, 1072′ from DER, 757′ left of centerline, 100′ AGL/829′ MSL. Tower, 3330′ from DER, 1222′ right of centerline, 57′ AGL/812′ MSL.

RWY 25R, Flag Pole, 603′ from DER, 336′ left of centerline, 36′ AGL/709′ MSL. Hangar, 625′ from DER, 363′ right of centerline, 26′ AGL/ 702′ MSL. Tree, 855′ from DER, 401′ right of centerline, 100′ AGL/779′ MSL. Tree, 1297′ from DER, 187′ left of centerline, 30′ AGL/716′ MSL. Pole, 1605′ from DER, 301′ right of centerline, 47′ AGL/720′ MSL.

RWY 31, Fence, 197′ from DER, 244′ right of centerline, 7′ AGL/681′ MSL. Sign, 219′ from DER, 449′ right of centerline, 50′ AGL/730′ MSL. Multiple light poles beginning 265′ from DER, 69′ right of centerline, up to 30′ AGL/706′ MSL. Multiple light poles beginning 687′ from DER, 112′ left of centerline, up to 30′ AGL/703′ MSL. Hangar, 438′ from DER, 564′ left of centerline, 50′ AGL/722′ MSL. Pole, 1351′ from DER, 340′ right of centerline, 46′ AGL/735′ MSL. Multiple trees beginning 1504′ from DER, 258′ right of centerline, up to 100′ AGL/775′ MSL. Multiple trees beginning 1122′ from DER, 391′ left of centerline, up to 100′ AGL/768′ MSL Tank, 1.1 NM from DER, 742′ right of centerline, 165′ AGL/885′ MSL. Pole, 2629′ from DER, 344′ right of centerline, 165′ AGL/758′ MSL.

WAAS CH 62816 W01A	APP CRS 009°	Rwy ldg 9690 TDZE 704 Apt Elev 723

RNAV (GPS) RWY 1L

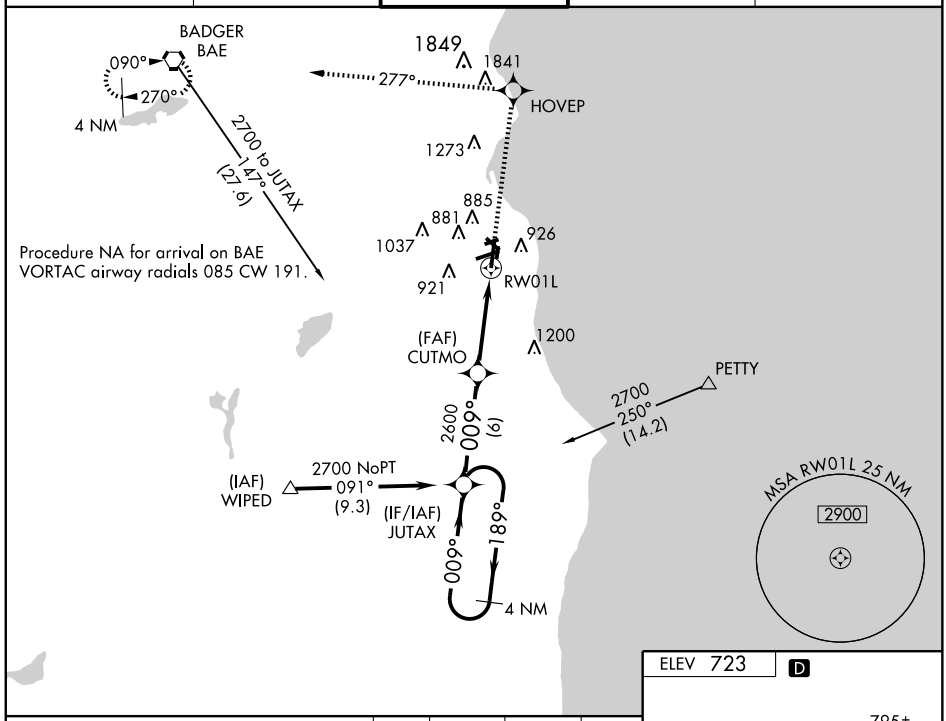
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

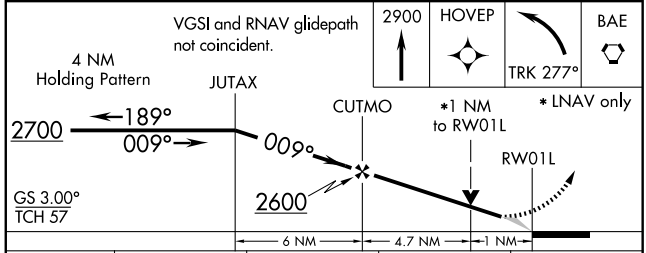
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. For inoperative ALSF-2, increase LNAV Cat D visibility to RVR 6000.

ALSF-2

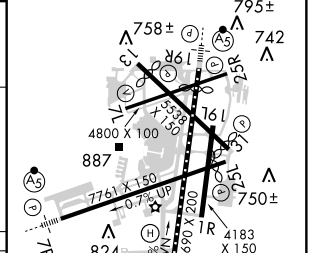
MISSED APPROACH: Climb to 2900 direct HOVEP then left turn via track 277° to BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





CATEGORY	A	B	C	D
LPV DA	904/24 200 (200-½)			
LNAV/VNAV DA	1101/40 397 (400-¾)			
LNAV MDA	1100/24 396 (400-½)			1100/50 396 (400-1)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)



TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4183
009°	TDZE	677
	Apt Elev	723

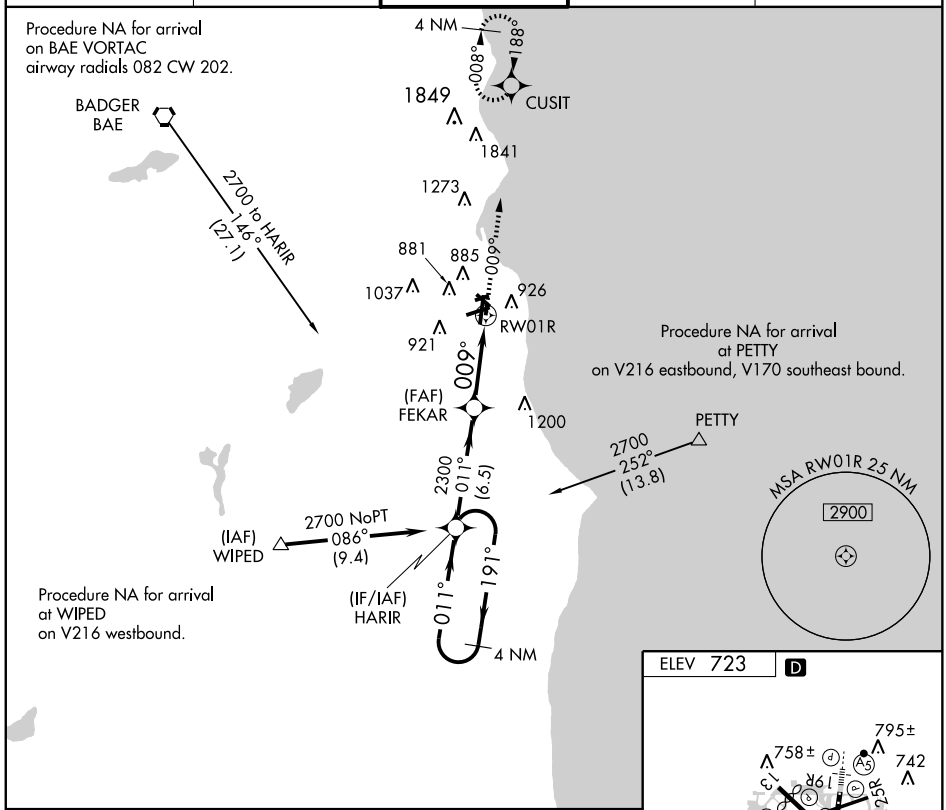
RNAV (GPS) RWY 1R
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

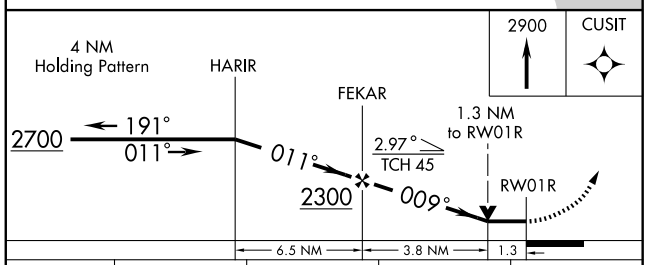
T
A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

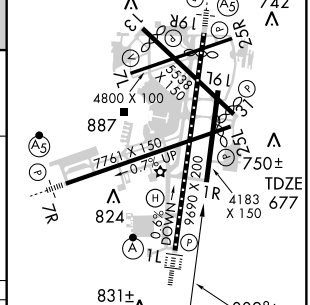
MISSED APPROACH: Climb to 2900 direct CUSIT WP and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





CATEGORY	A	B	C	D
LNAV MDA	1120-1 443 (400-1)		1120-1¼ 443 (400-1¼)	1120-1½ 443 (400-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)



TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

APP CRS	Rwy ldg	4800
074°	TDZE	672
	Apt Elev	723

RNAV (GPS) RWY 7L

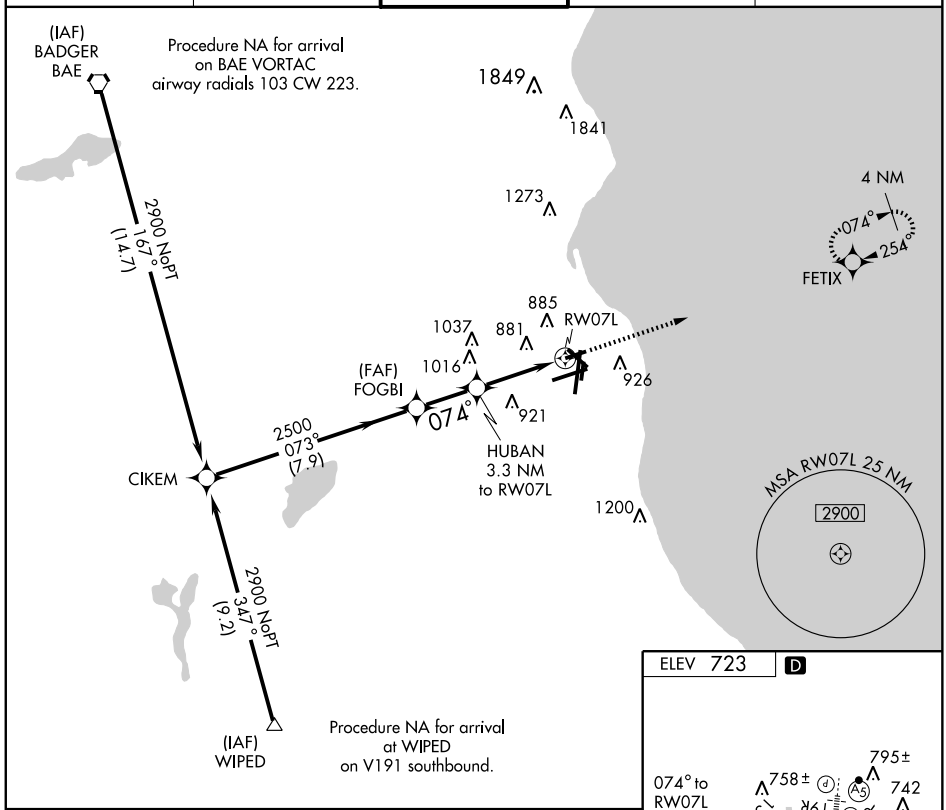
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

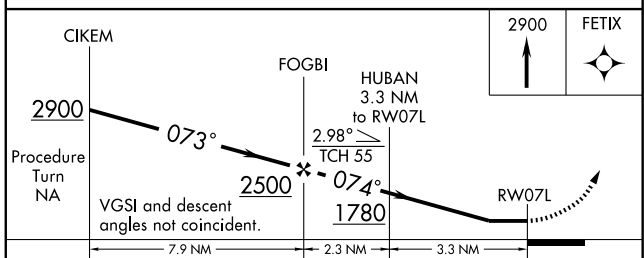
T
A NA

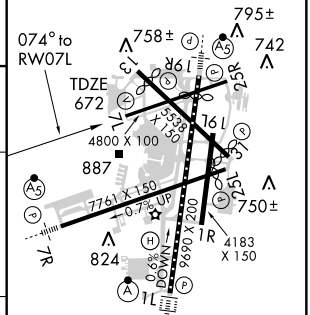
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2900 direct FETIX WP and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8







TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

CATEGORY	A	B	C	D
LNAV MDA	1140-1 468 (500-1)		1140-1¼ 468 (500-1¼)	1140-1½ 468 (500-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

APP CRS	Rwy ldg	7761
074°	TDZE	723
	Apt Elev	723

RNAV (GPS) RWY 7R

MILWAUKEE/GENERAL MITCHELL INTL (MKE)

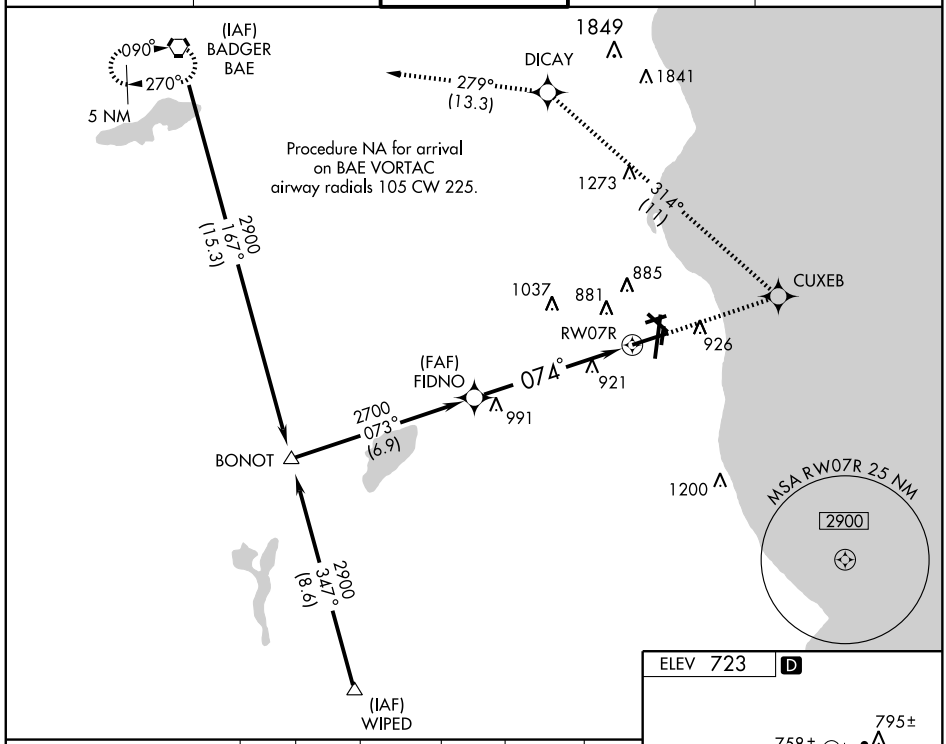
T NA

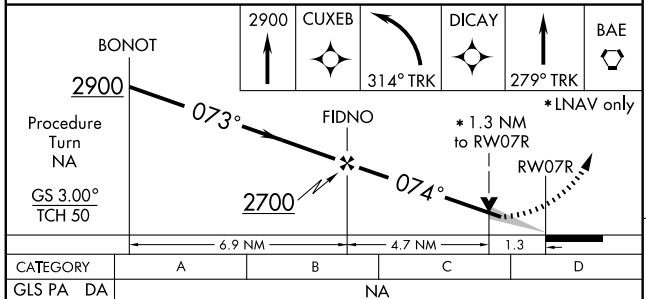
Baro-VNAV NA below -16° C (4° F).
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

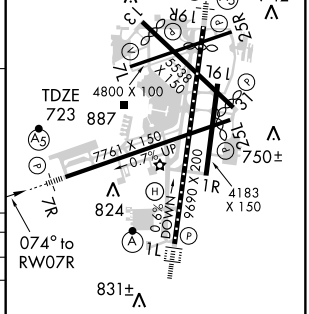
MALSR

MISSED APPROACH: Climb to 2900 direct CUXEB WP then left turn via 314° track to DICAY WP then via 279° track to BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8







TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1120/50 397 (400-1)			
LNAV MDA	1180/24 457 (500-½)		1180/40 457 (500-¾)	1180/50 457 (500-1)
CIRCLING	1240-1½ 517 (600-1½)			1280-2 557 (600-2)

APP CRS	Rwy ldg	4797
134°	TDZE	670
	Apt Elev	723

RNAV (GPS) RWY 13

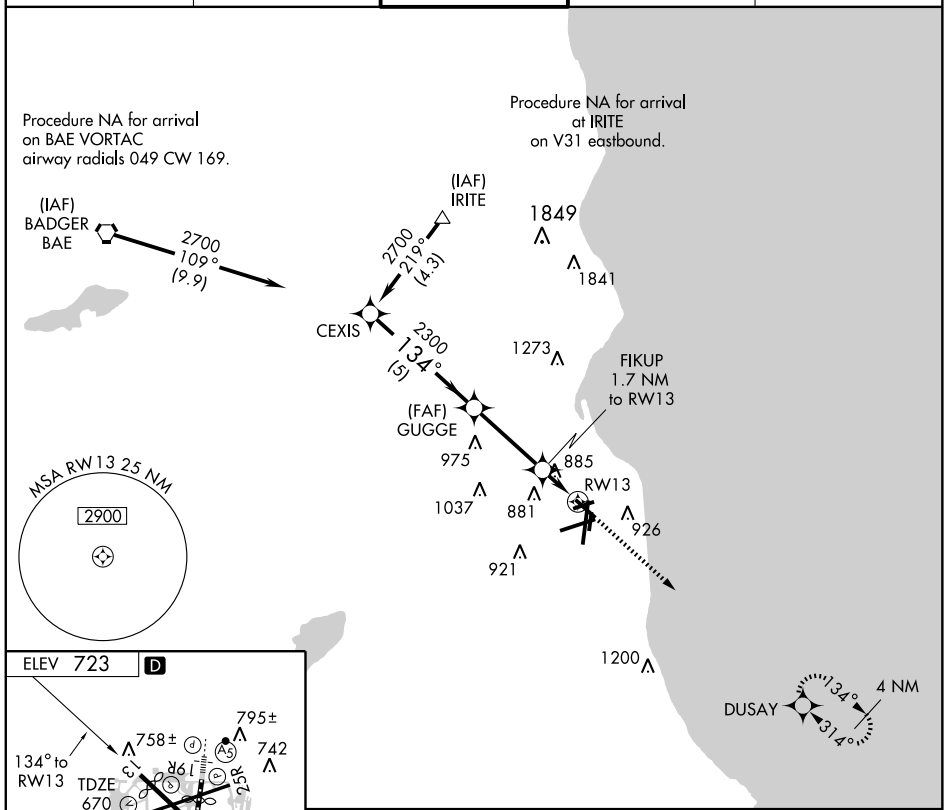
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

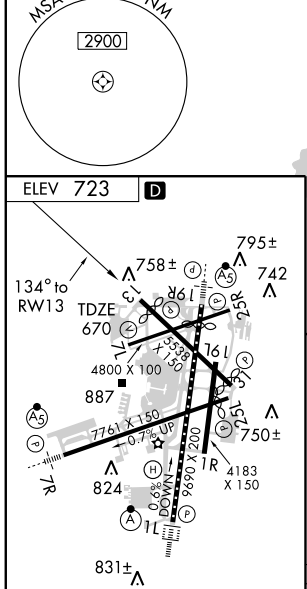
T
A NA

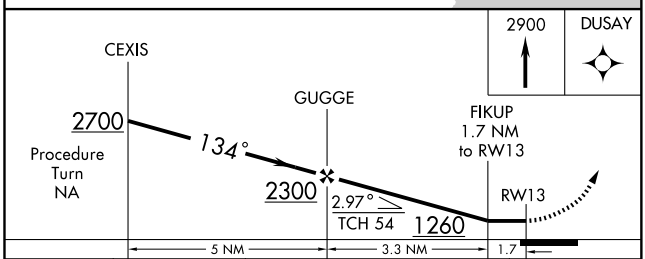
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2900 direct DUSAY WP and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8







CATEGORY	A	B	C	D
LNAV MDA	1140-1 470 (500-1)		1140-1¼ 470 (500-1¼)	1140-1½ 470 (500-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4183
189°	TDZE	674
	Apt Elev	723

RNAV (GPS) RWY 19L

MILWAUKEE/GENERAL MITCHELL INTL (MKE)

T
A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2800 direct DUYEY WP then right turn via 309° track to GAPYE WP then via 324° track to BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8

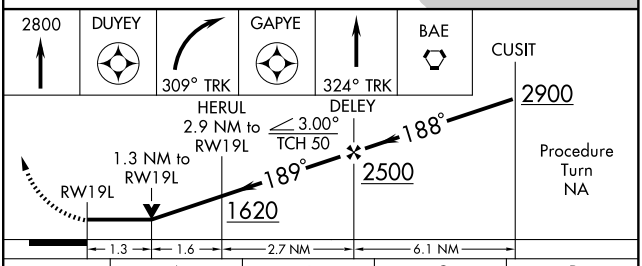
Procedure NA for arrival on BAE VORTAC airway radials 022 CW 142.

BADGER BAE
090° 270°
5 NM
2900
082°
(13.8)
324°
(13.9)
GAPYE
309°
(10)
DUYEY
(IAF)
FIBSO
2900
099°
(5)
CUSIT
1849
1841
2500
188°
(6.1)
1225
(FAF)
DELEY
1273
189°
HERUL
2.9 NM to
RW19L
910
885
1037
881
926
RW19L
921
1200
MSA RW19L 25 NM
2900

ELEV 723 D

189° to RW19L
795±
758±
742
19R
25R
13
7L
16L
TDZE
674
538 X 150
4800 X 100
887
25L
7761 X 150
0.7% UP
750±
7R
824
1R
4183 X 150
9690 X 200
DOWN 0.9%
1L
831±

TDZ/CL Rwy 1L
REIL Rwys 1R, 7L,
13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R



CATEGORY	A	B	C	D
LNAV MDA	1120-1 446 (400-1)		1120-1¼ 446 (400-1¼)	1120-1½ 446 (400-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	7329
254°	TDZE	683
	Apt Elev	723

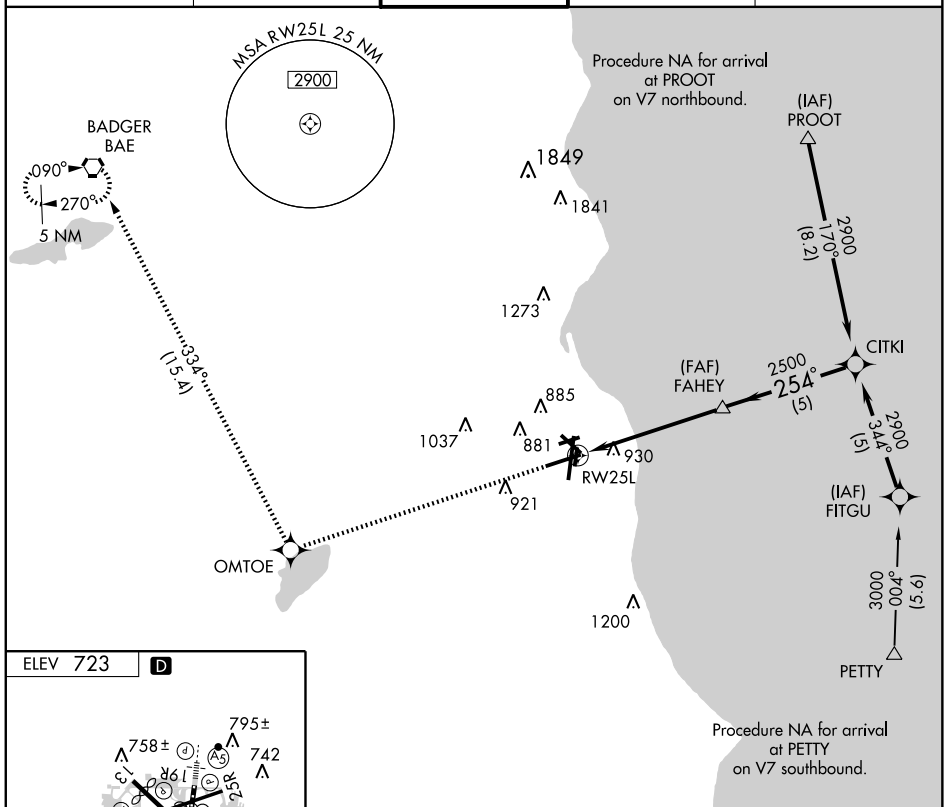
RNAV (GPS) RWY 25L
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

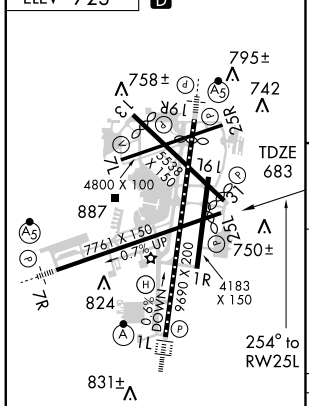
T
A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

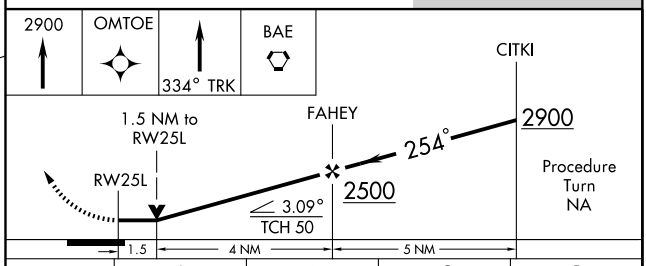
MISSED APPROACH: Climb to 2900 direct OMTOE WP then via 334° track to BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





TDZ/CL Rwy 1L
REIL Rwys 1R, 7L,
13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R



CATEGORY	A	B	C	D
LNAV MDA	1180-1 497 (500-1)		1180-1¼ 497 (500-1¼)	1180-1½ 497 (500-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

APP CRS	Rwy ldg	4800
254°	TDZE	674
	Apt Elev	723

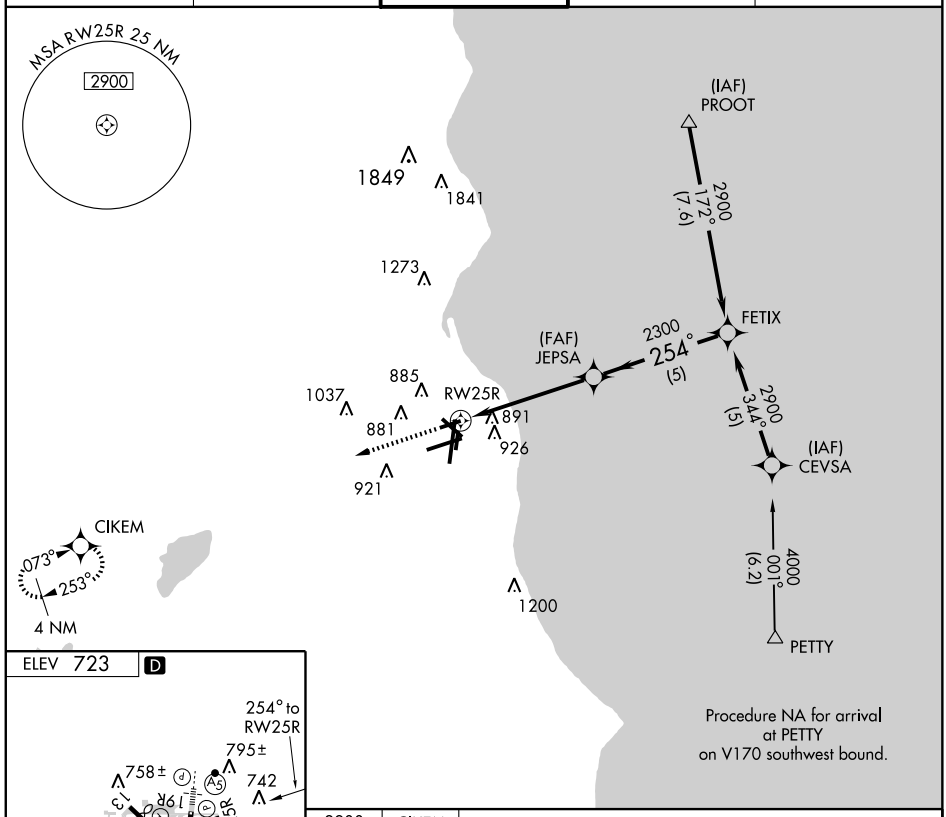
RNAV (GPS) RWY 25R
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

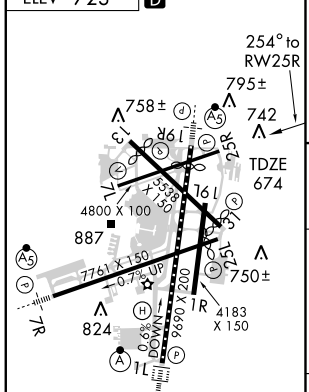
T
A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

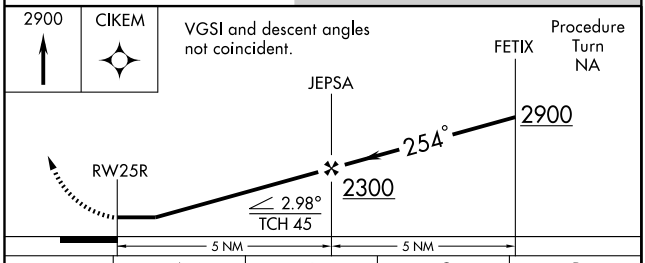
MISSED APPROACH: Climb to 2900 direct CIKEM WP and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R



CATEGORY	A	B	C	D
LNAV MDA	1160-1 486 (500-1)		1160-1¼ 486 (500-1¼)	1160-1½ 486 (500-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5334
314°	TDZE	670
	Apt Elev	723

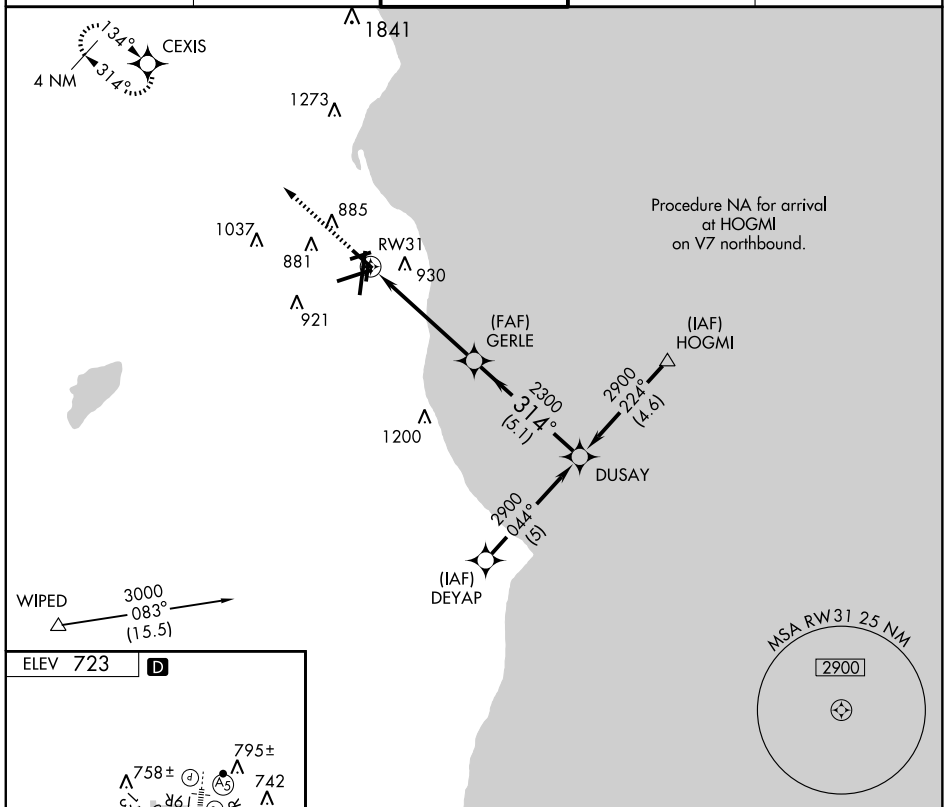
RNAV (GPS) RWY 31
MILWAUKEE/GENERAL MITCHELL INTL (MKE)

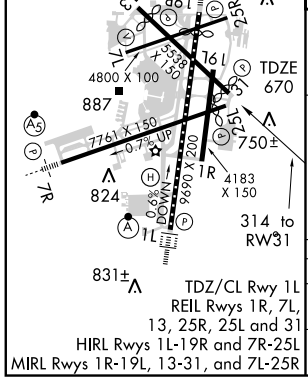
T
A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

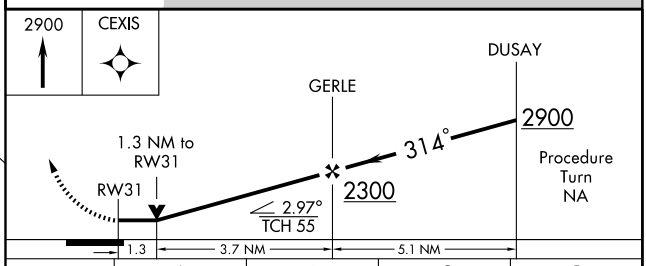
MISSED APPROACH: Climb to 2900 direct CEXIS WP and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R



CATEGORY	A	B	C	D
LNAV MDA	1140-1 470 (500-1)		1140-1¼ 470 (500-1¼)	1140-1½ 470 (500-1½)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	8915
189°	TDZE	672
	Apt Elev	723

RNAV (GPS) Y RWY 19R

MILWAUKEE/GENERAL MITCHELL INTL (MKE)

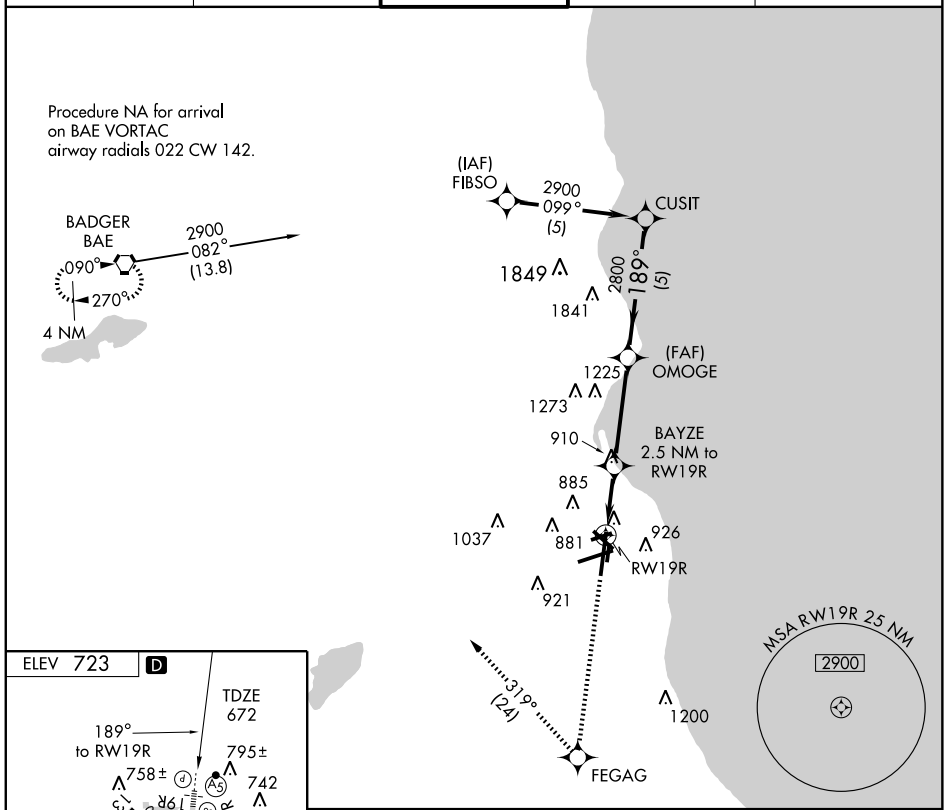
T
A NA

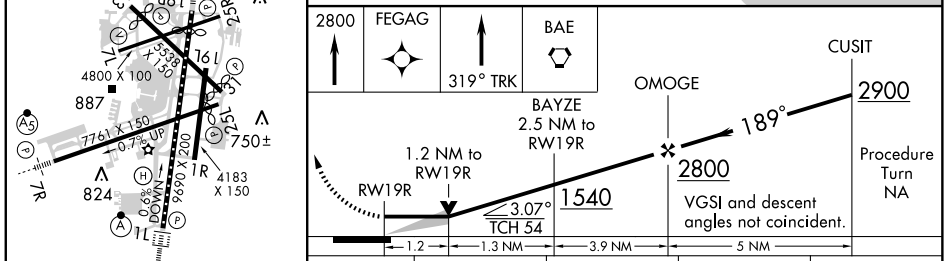
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MALSR

MISSED APPROACH: Climb to 2800 direct FEGAG WP then via 319° track to BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8





TDZ/CL Rwy 1L
REIL Rwys 1R, 7L, 13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

CATEGORY	A	B	C	D
LNAV MDA	1120-½ 448 (400-½)		1120-¾ 448 (400-¾)	1120-1 448 (400-1)
CIRCLING	1240-1 517 (600-1)		1240-1½ 517 (600-1½)	1280-2 557 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	8915
189°	TDZE	672
	Apt Elev	723

RNAV (GPS) Z RWY 19R

MILWAUKEE/GENERAL MITCHELL INTL (MKE)

T
A NA

Baro-VNAV NA below -16° C (4° F).
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MALSR

MISSED APPROACH: Climb to 2800 direct FEGAG WP then via 319° track to BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	MILWAUKEE TOWER	GND CON	CLNC DEL
126.4	126.5 307.0	119.1 325.8	121.8 263.125	120.8

Procedure NA for arrival on BAE VORTAC airway radials 022 CW 142.

BADGER BAE
2900
082°
(13.8)
090°
270°
4 NM

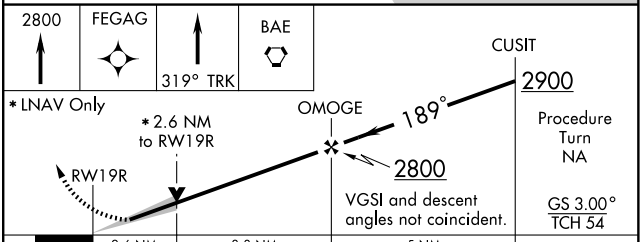
(IAF)
FIBSO
2900
099°
(5)
CUSIT
1849
2800
189°
(5)
1841
(FAF)
OMOGE
1225
1273
885
1037
881
RW19R
926
921
319°
(24)
1200
FEGAG

MSA RW19R 25 NM
2900

ELEV 723 D

TDZE
672
189° to
RW19R
758±
795±
742
19R
13
25R
7L
19L
5528 X 150
4800 X 100
887
31
7L
750±
7761 X 150
0.7% UP
7R
824
19R
4183
X 150
0.6%
DOWN
9690 X 200
1L
831±

TDZ/CL Rwy 1L
REIL Rwys 1R, 7L,
13, 25R, 25L and 31
HIRL Rwys 1L-19R and 7R-25L
MIRL Rwys 1R-19L, 13-31, and 7L-25R

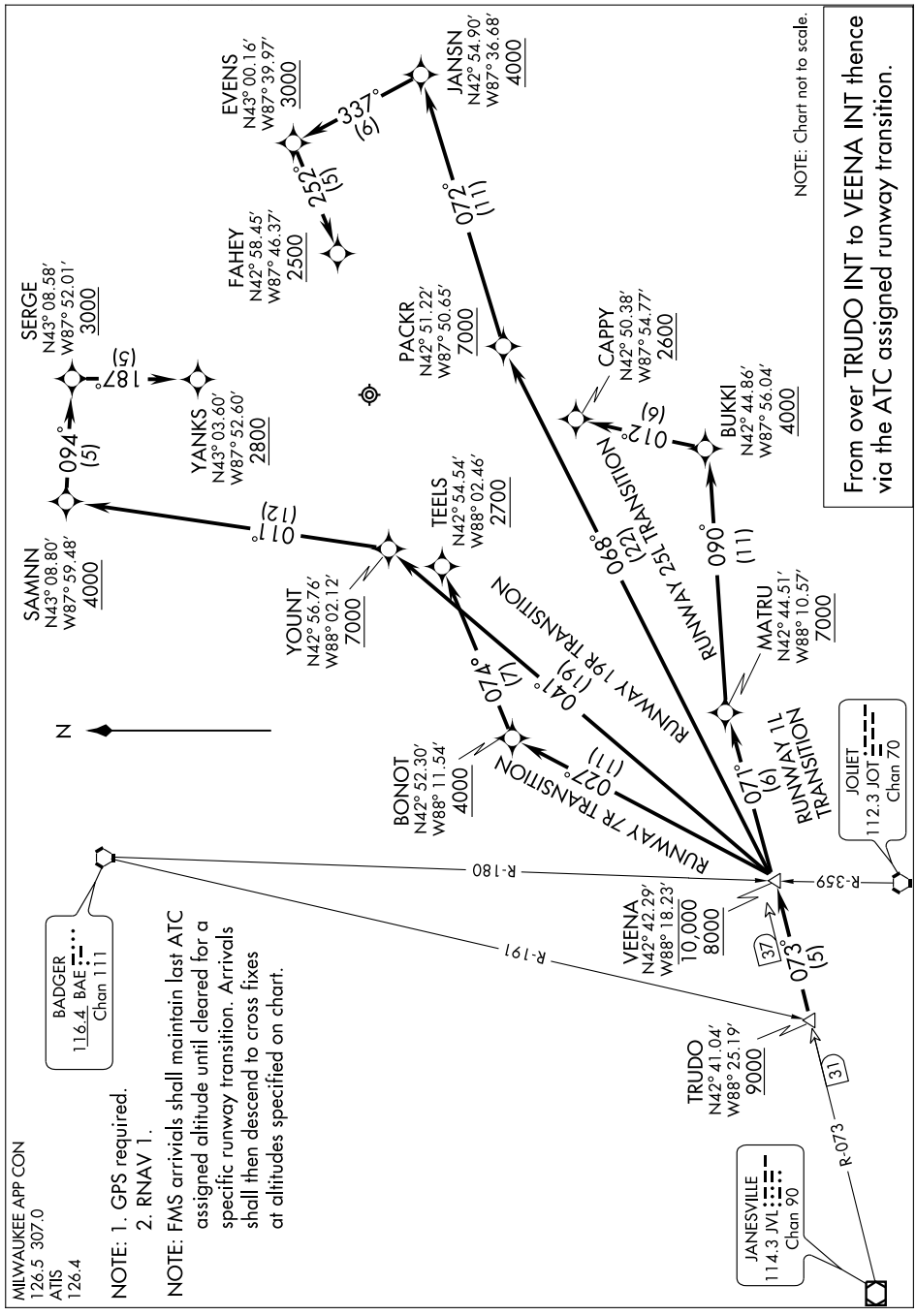


CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1060/40 388 (400-¾)			
LNAV MDA	1560/40 888 (900-¾)		1560-2¼ 888 (900-2¼)	1560-2½ 888 (900-2½)
CIRCLING	1560-1¼ 837 (900-1¼)		1560-2¾ 837 (900-2¾)	1560-3 837 (900-3)

EC-3. 14 JAN 2010 to 11 FEB 2010

TRUDO ONE (FMS) ARRIVAL (TRUDO.TRUDO1)

GENERAL MITCHELL INTL
MILWAUKEE, WISCONSIN



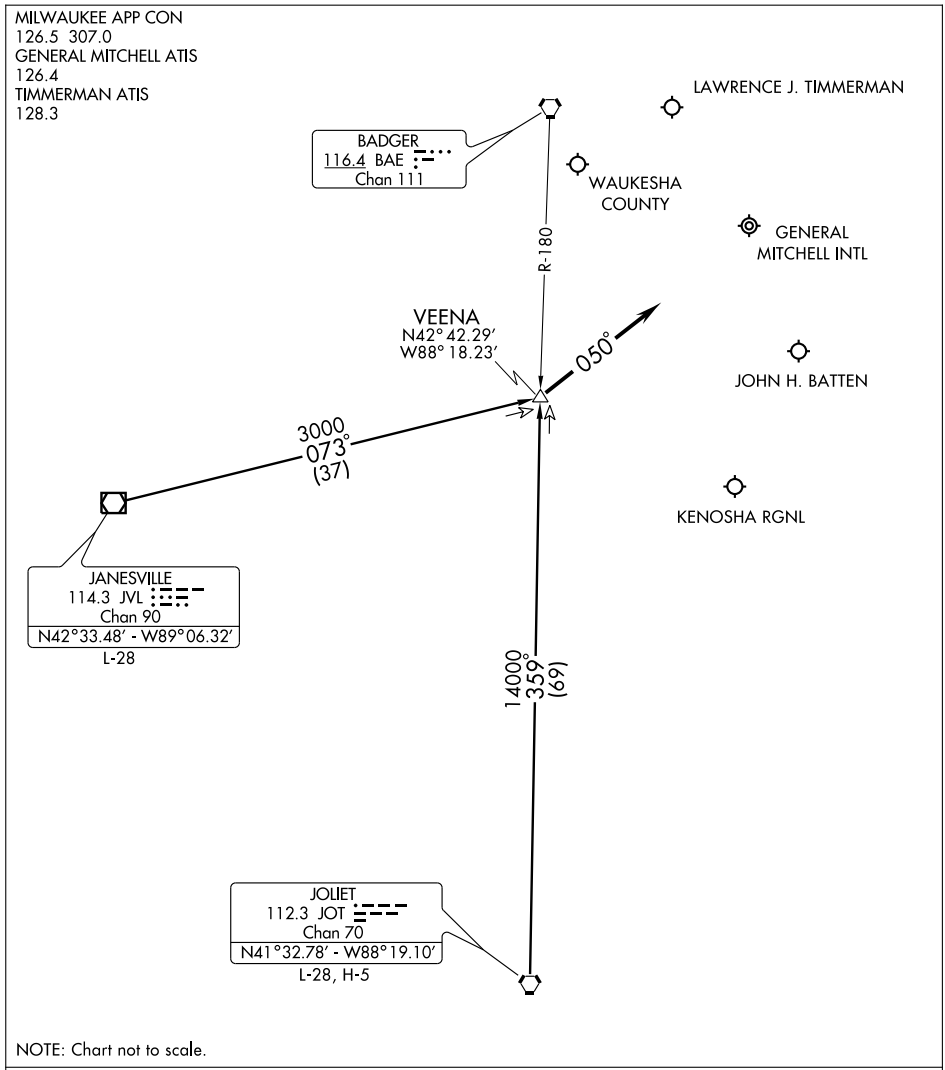
MILWAUKEE APP CON
126.5 307.0
ATIS
126.4

NOTE: 1. GPS required.
2. RNAV 1.

NOTE: FMS arrivals shall maintain last ATC assigned altitude until cleared for a specific runway transition. Arrivals shall then descend to cross fixes at altitudes specified on chart.

VEENA ONE ARRIVAL (VEENA.VEENA1)

MILWAUKEE, WISCONSIN



NOTE: Chart not to scale.

JANESVILLE TRANSITION (JVL.VEENA1): From over JVL VOR/DME via JVL R-073 to VEENA INT. Thence....

JOLIET TRANSITION (JOT.VEENA1): From over JOT VORTAC via JOT R-359 to VEENA INT. Thence....

.... depart VEENA INT heading 050° for initial vector to final approach.

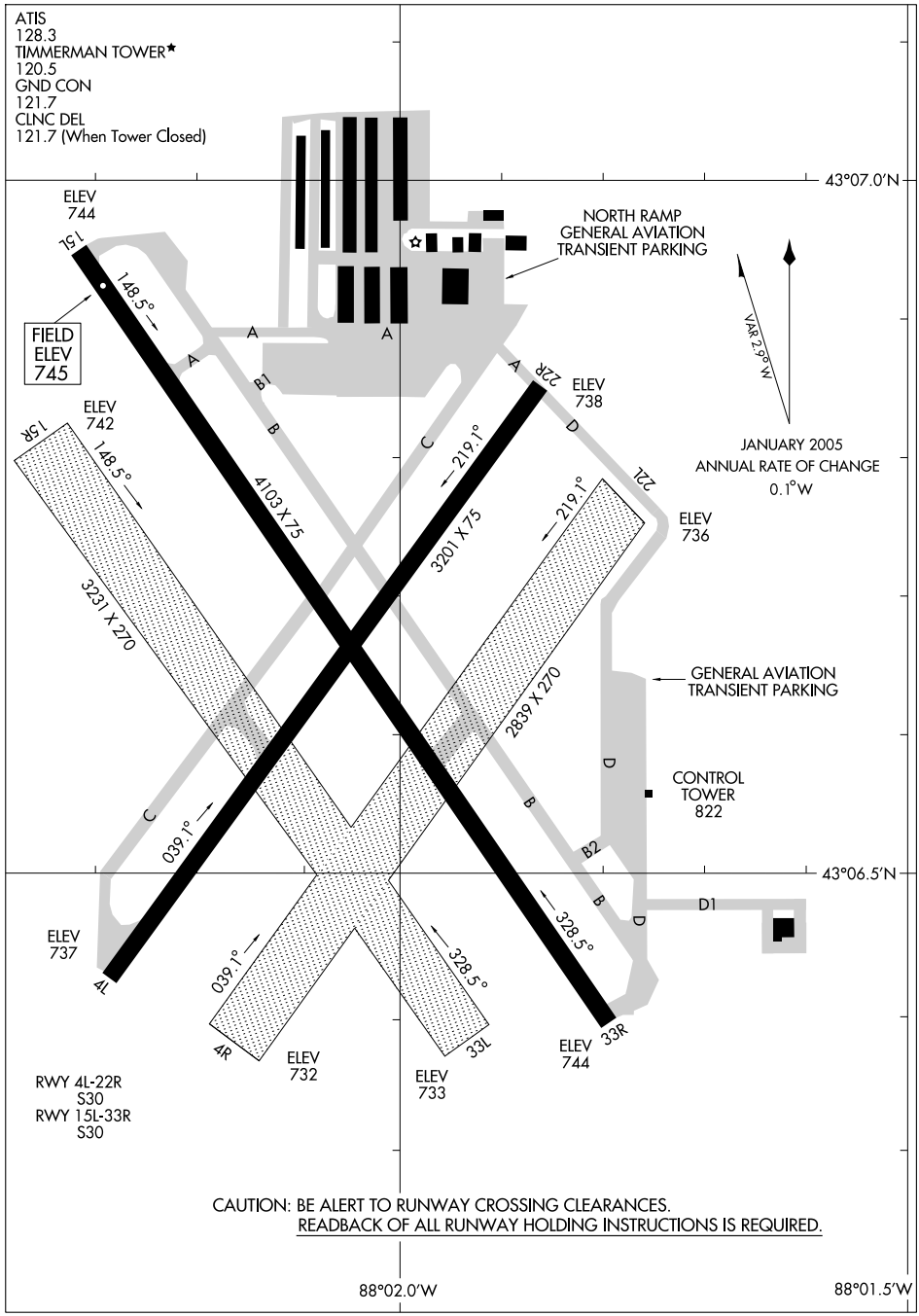
LOST COMMUNICATIONS: From VEENA INT proceed direct IAF for destination airport.

09295

AIRPORT DIAGRAM

AL-5077 (FAA)

MILWAUKEE/ LAWRENCE J. TIMMERMAN (MWC)
MILWAUKEE, WISCONSIN



EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-MWC	APP CRS	Rwy ldg	4103
108.5	148°	TDZE	745
		Apt Elev	745

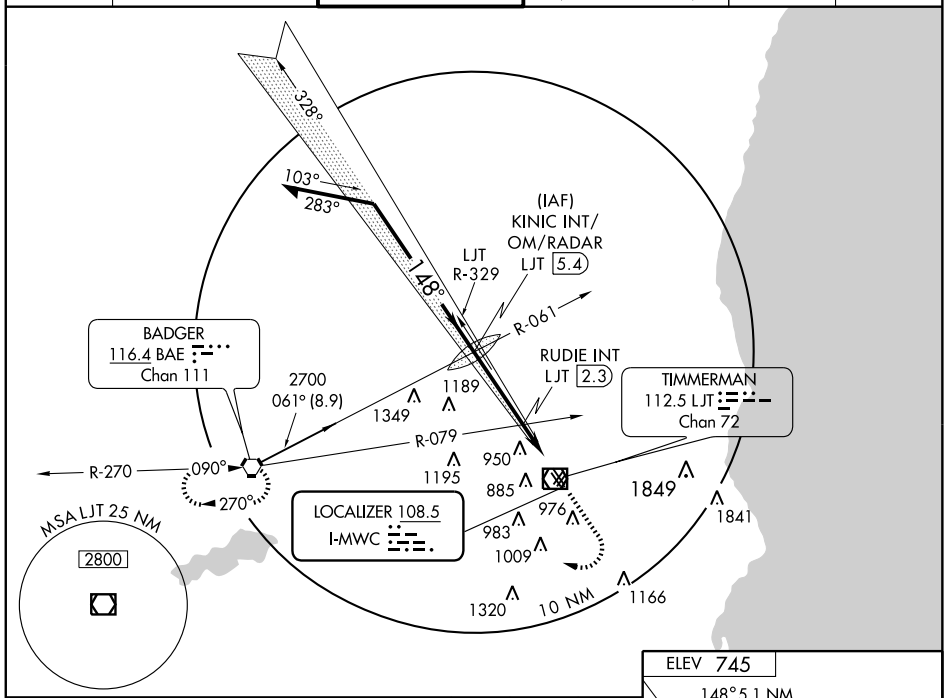
LOC RWY 15L

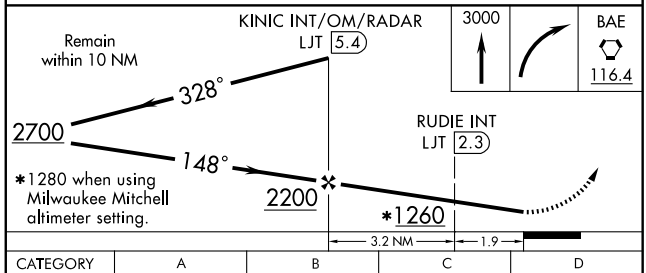
MILWAUKEE/LAWRENCE J. TIMMERMAN (MWC)

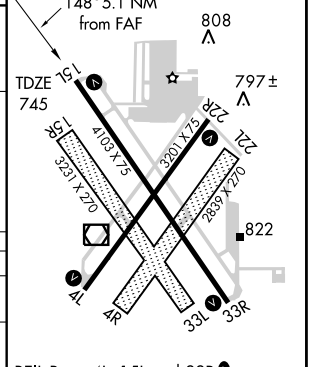
When control tower closed, obtain local altimeter setting on UNICOM; when not received, use Milwaukee General Mitchell Intl altimeter setting and increase all MDAs 20′ and CAT C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 then right turn direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	TIMMERMAN TOWER ★	MILWAUKEE CLNC DEL	GND CON	UNICOM
128.3	128.7 (NORTH) 307.0	120.5 (CTAF) L	121.7 (when tower closed)	121.7	122.95







REIL Rwys 4L, 15L and 22R L

MIRL Rwys 4L-22R and 15L-33R L

CATEGORY	A	B	C	D
S-15L	1260-1 515 (600-1)		1260-1½ 515 (600-1½)	1260-1¾ 515 (600-1¾)
CIRCLING	1260-1 515 (600-1)	1340-1 595 (600-1)	1340-1½ 595 (600-1½)	1340-2 595 (600-2)
RUDIE INT MINIMUMS				
S-15L	1120-1 375 (400-1)			1120-1¼ 375 (400-1¼)
CIRCLING	1200-1 455 (500-1)	1340-1 595 (600-1)	1340-1½ 595 (600-1½)	1340-2 595 (600-2)

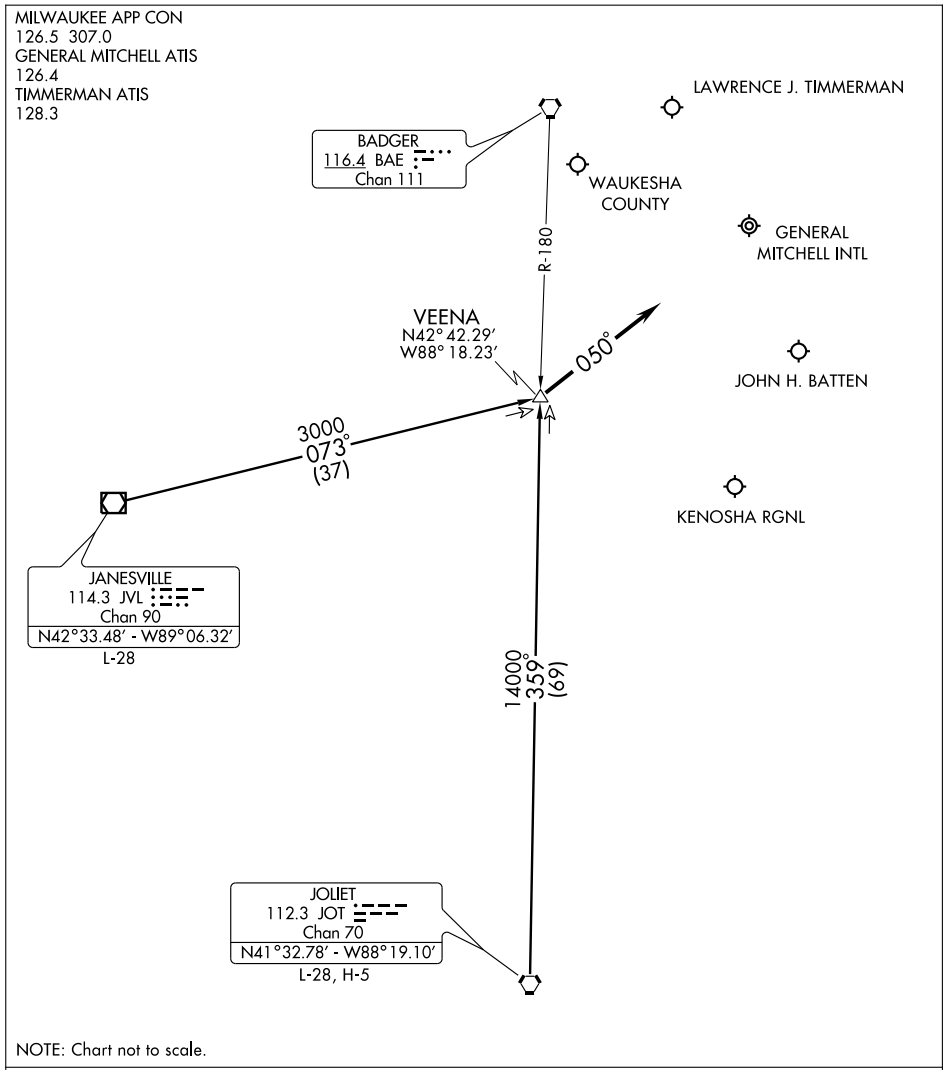
FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

EC-3. 14 JAN 2010 to 11 FEB 2010

VEENA ONE ARRIVAL (VEENA.VEENA1)

MILWAUKEE, WISCONSIN



NOTE: Chart not to scale.

JANESVILLE TRANSITION (JVL.VEENA1): From over JVL VOR/DME via JVL R-073 to VEENA INT. Thence....

JOLIET TRANSITION (JOT.VEENA1): From over JOT VORTAC via JOT R-359 to VEENA INT. Thence....

.... depart VEENA INT heading 050° for initial vector to final approach.

LOST COMMUNICATIONS: From VEENA INT proceed direct IAF for destination airport.

VOR/DME LJT	APP CRS	Rwy ldg	3201
112.5	040°	TDZE	739
Chan 72		Apt Elev	745

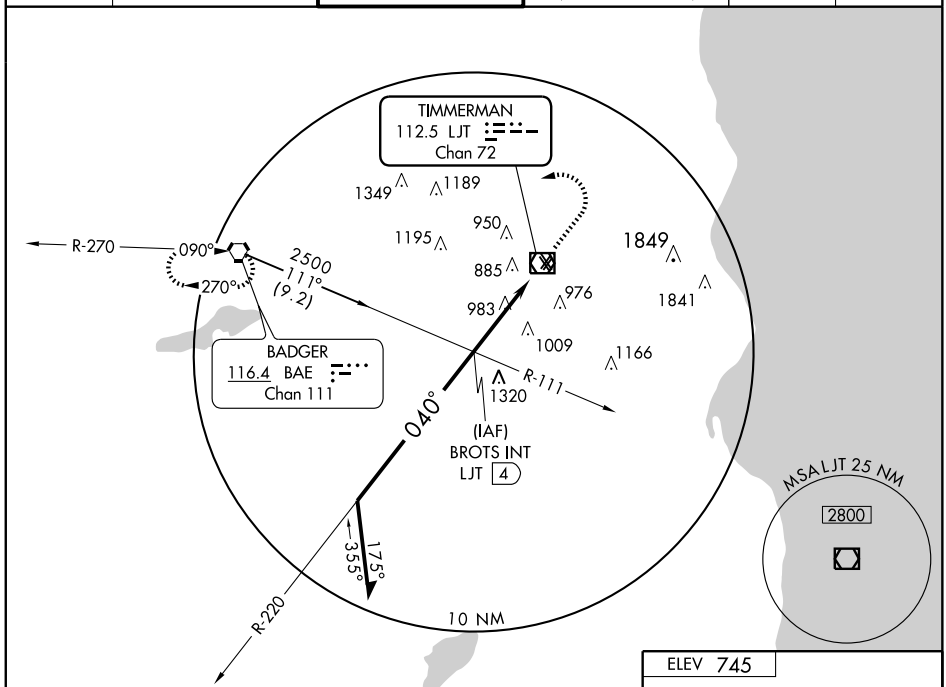
VOR or GPS RWY 4L

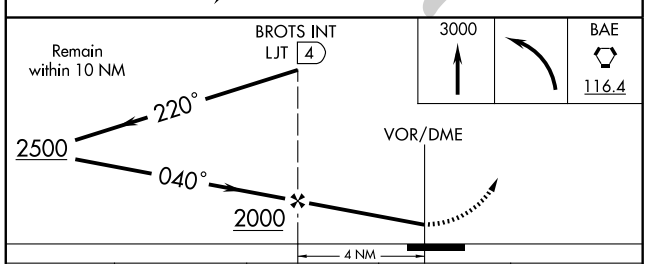
MILWAUKEE/ LAWRENCE J. TIMMERMAN (MWC)

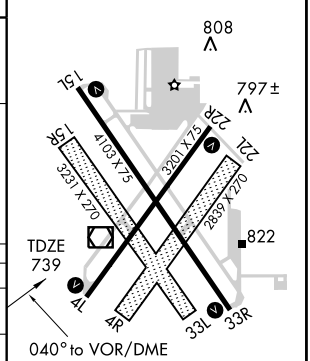
When tower closed, use Milwaukee General Mitchell Intl altimeter setting.

MISSED APPROACH: Climb to 3000 then left turn direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	TIMMERMAN TOWER ★	MILWAUKEE CLNC DEL	GND CON	UNICOM
128.3	128.7(NORTH) 307.0	120.5 (CTAF) L	121.7 (when tower closed)	121.7	122.95







CATEGORY	A	B	C	D
S-4L	1300-1 561 (600-1)		1300-1½ 561 (600-1½)	1300-1¾ 561 (600-1¾)
CIRCLING	1300-1 555 (600-1)	1340-1 595 (600-1)	1340-1½ 595 (600-1½)	1340-2 595 (600-2)
MILWAUKEE MITCHELL ALTIMETER SETTING MINIMUMS				
S-4L	1320-1 581 (600-1)		1320-1½ 581 (600-1½)	1320-1¾ 581 (600-1¾)
CIRCLING	1320-1 575 (600-1)	1380-1 635 (700-1)	1380-1¾ 635 (700-1¾)	1380-2 635 (700-2)

REIL Rwys 4L, 22R and 15L L
MIRL Rwys 4L-22R and 15L-33R L

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR/DME LJT	APP CRS	Rwy ldg	4103
112.5	158°	TDZE	745
Chan 72		Apt Elev	745

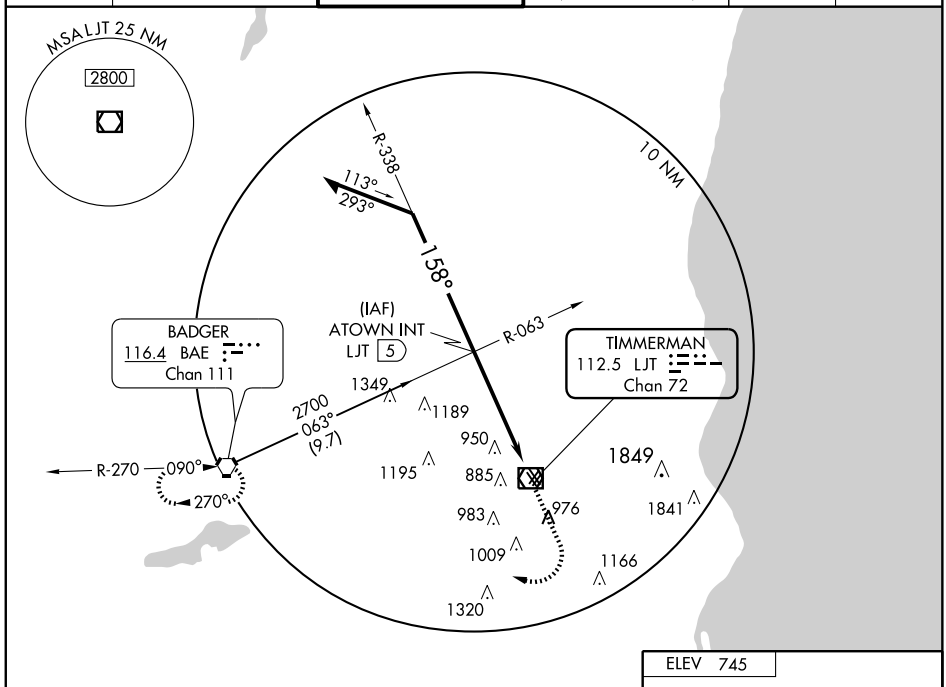
VOR or GPS RWY 15L

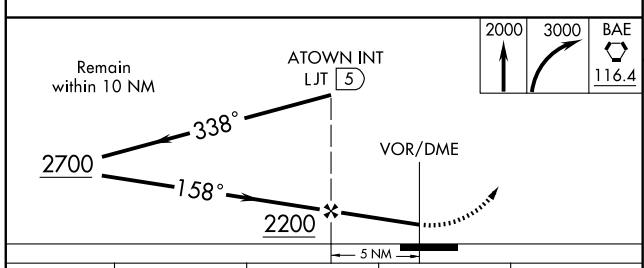
MILWAUKEE/ LAWRENCE J. TIMMERMAN (MWC)

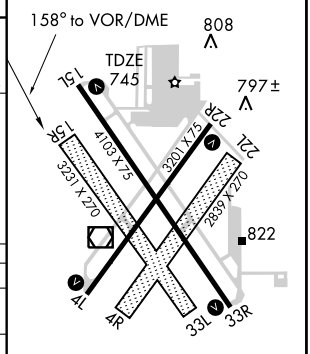
When tower closed, use Milwaukee General Mitchell Intl altimeter setting.

MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	TIMMERMAN TOWER ★	MILWAUKEE CLNC DEL	GND CON	UNICOM
128.3	128.7(NORTH) 307.0	120.5 (CTAF) L	121.7 (when tower closed)	121.7	122.95







CATEGORY	A	B	C	D
S-15L	1260-1 515 (600-1)		1260-1½ 515 (600-1½)	1260-1¾ 515 (600-1¾)
CIRCLING	1300-1 555 (600-1)	1340-1 595 (600-1)	1340-1½ 595 (600-1½)	1340-2 595 (600-2)
MILWAUKEE MITCHELL ALTIMETER SETTING MINIMUMS				
S-15L	1280-1 535 (600-1)		1280-1½ 535 (600-1½)	1280-1¾ 535 (600-1¾)
CIRCLING	1340-1 595 (600-1)	1380-1 635 (700-1)	1380-1¾ 635 (700-1¾)	1380-2 635 (700-2)

MIRL Rwys 4L-22R and 15L-33R L
REIL Rwys 4L, 15L and 22R L

EC-3. 14 JAN 2010 to 11 FEB 2010

NDB MRJ	APP CRS	Rwy ldg	3601
365	208°	TDZE	1171
		Apt Elev	1171

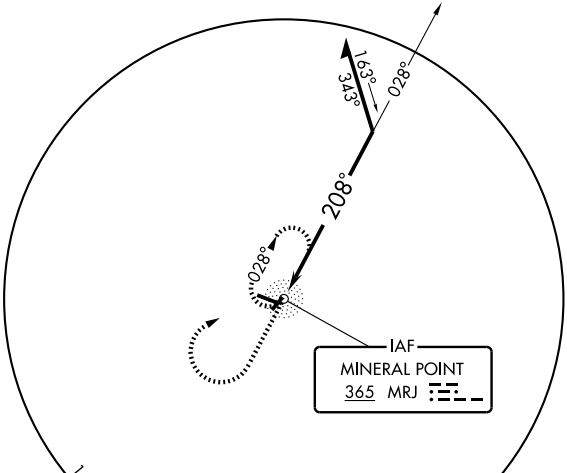
NDB RWY 22

MINERAL POINT/IOWA COUNTY (MRJ)

NA

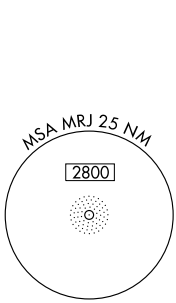
MISSED APPROACH: Climb to 2300 then climbing right turn to 3000 direct MRJ NDB and hold.

AWOS-3	CHICAGO CENTER	GCO	UNICOM
118.525	133.95 281.4	121.725	122.8 (CTAF) L

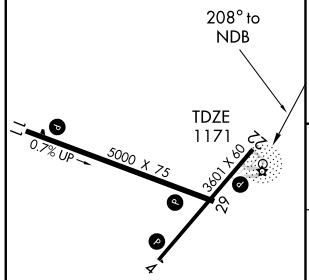


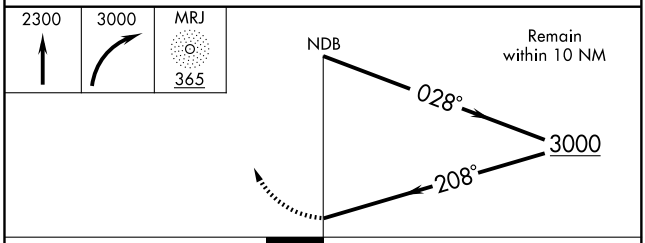
1899±

3000
267°
(19.4)
DALEY



ELEV 1171





CATEGORY	A	B	C	D
S-22	1920-1 749 (800-1)	1920-1¼ 749 (800-1¼)	1920-2¼ 749 (800-2¼)	NA
CIRCLING	1920-1 749 (800-1)	1920-1¼ 749 (800-1¼)	1920-2¼ 749 (800-2¼)	NA

REIL Rwys 11 and 29 L
MIRL Rwys 4-22 and 11-29 L

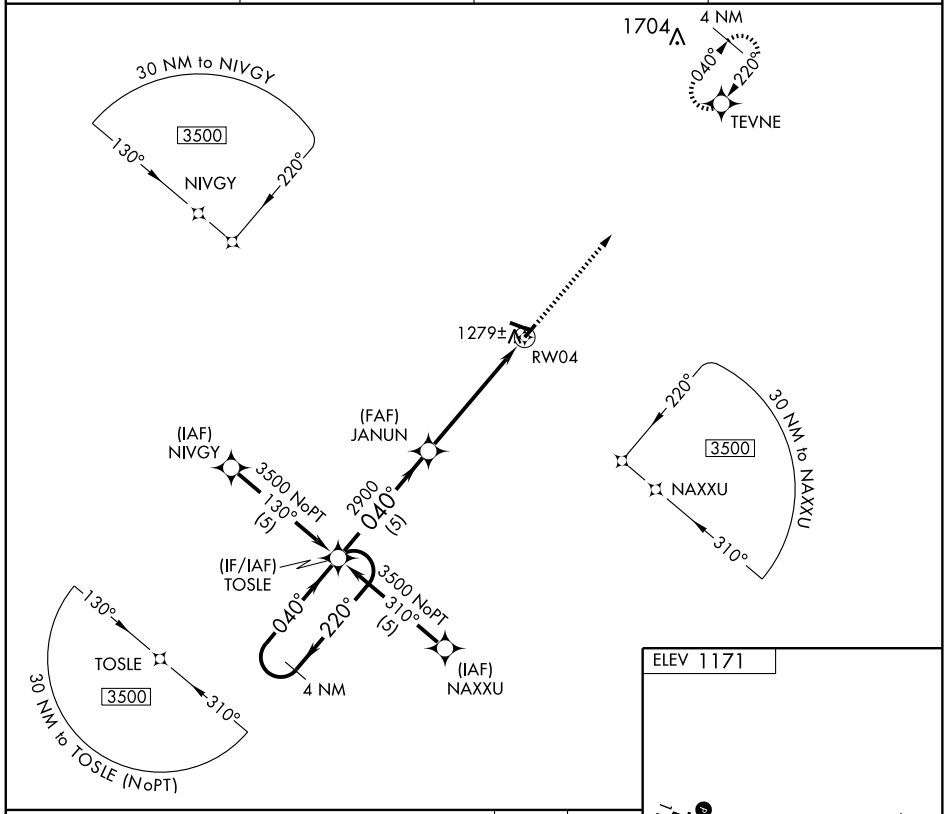
EC-3, 14 JAN 2010 to 11 FEB 2010

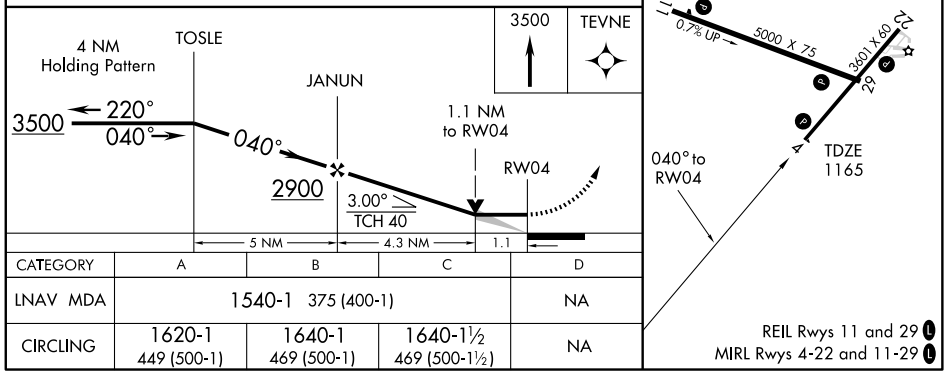
APP CRS	Rwy ldg	3601
040°	TDZE	1165
	Apt Elev	1171

RNAV (GPS) RWY 4

MINERAL POINT/IOWA COUNTY (MRJ)

NA	GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3500 direct TEVNE WP and hold.	
AWOS-3	CHICAGO CENTER	GCO	UNICOM
118.525	133.95 281.4	121.725	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1540-1 375 (400-1)			NA
CIRCLING	1620-1 449 (500-1)	1640-1 469 (500-1)	1640-1½ 469 (500-1½)	NA

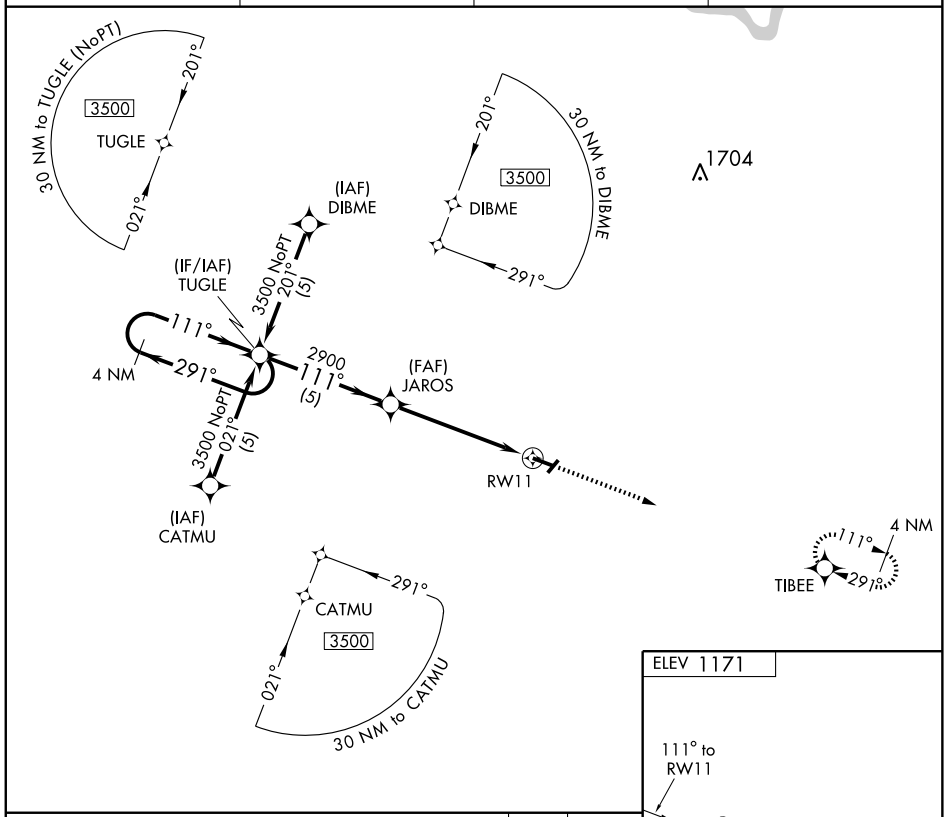
EC-3, 14 JAN 2010 to 11 FEB 2010

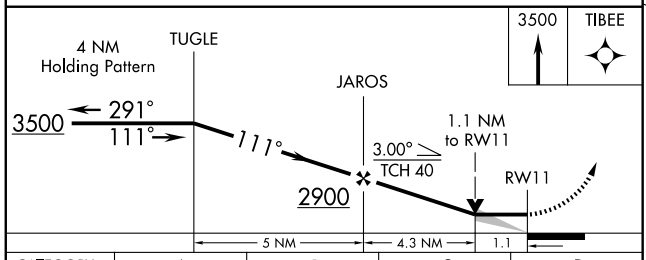
APP CRS	Rwy ldg	5000
111°	TDZE	1153
	Apt Elev	1171

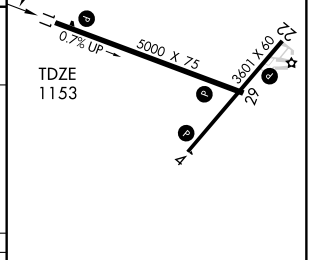
RNAV (GPS) RWY 11

MINERAL POINT/IOWA COUNTY (MRJ)

NA	GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.	MISSED APPROACH: Climb to 3500 direct TIBEE WP and hold.	
AWOS-3	CHICAGO CENTER	GCO	UNICOM
118.525	133.95 281.4	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1520-1 367 (400-1)			NA
CIRCLING	1620-1 449 (500-1)	1640-1 469 (500-1)	1640-1½ 469 (500-1½)	NA

REIL Rwys 11 and 29 L
MIRL Rwys 4-22 and 11-29 L

APP CRS	Rwy ldg	3601
220°	TDZE	1171
	Apt Elev	1171

RNAV (GPS) RWY 22

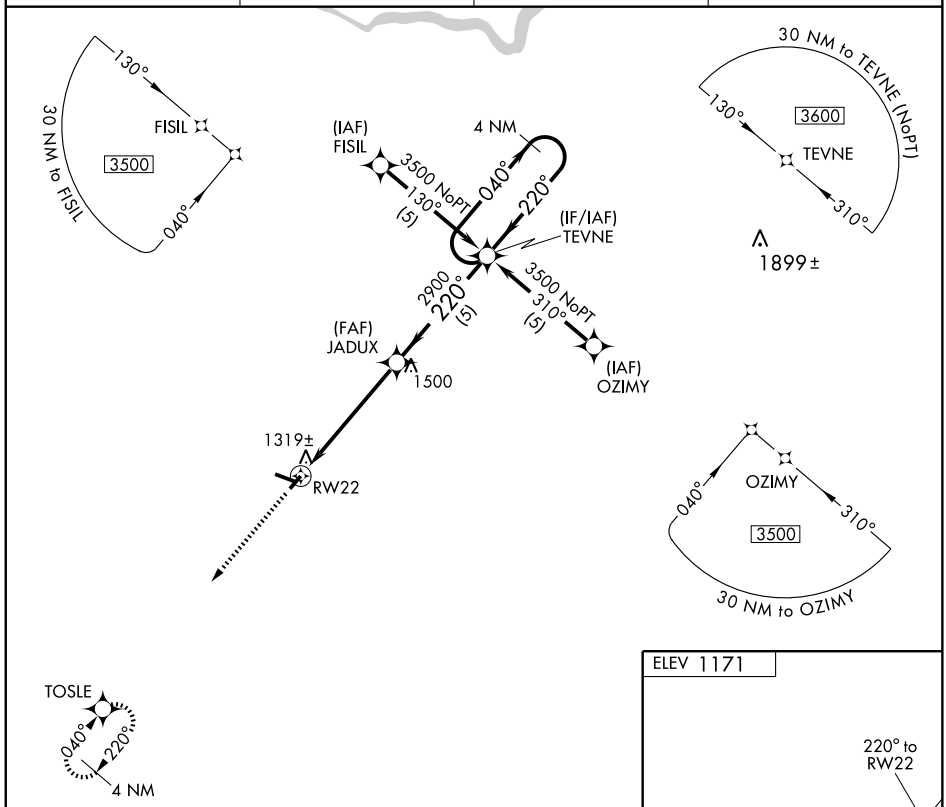
MINERAL POINT/ IOWA COUNTY (MRJ)

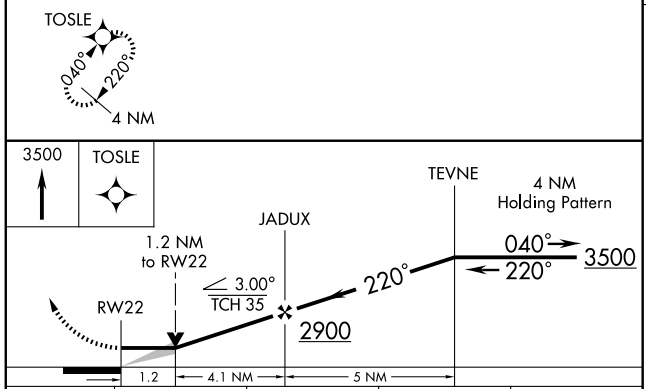
NA

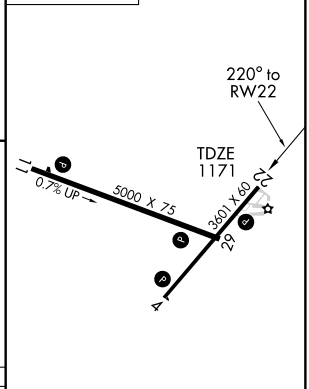
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct TOSLE WP and hold.

AWOS-3	CHICAGO CENTER	GCO	UNICOM
118.525	133.95 281.4	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1580-1 409 (500-1)		1580-1¼ 409 (500-1¼)	NA
CIRCLING	1620-1 449 (500-1)	1640-1 469 (500-1)	1640-1½ 469 (500-1½)	NA

REIL Rwys 11 and 29 L
MIRL Rwys 4-22 and 11-29 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5000
291°	TDZE	1163
	Apt Elev	1171

RNAV (GPS) RWY 29

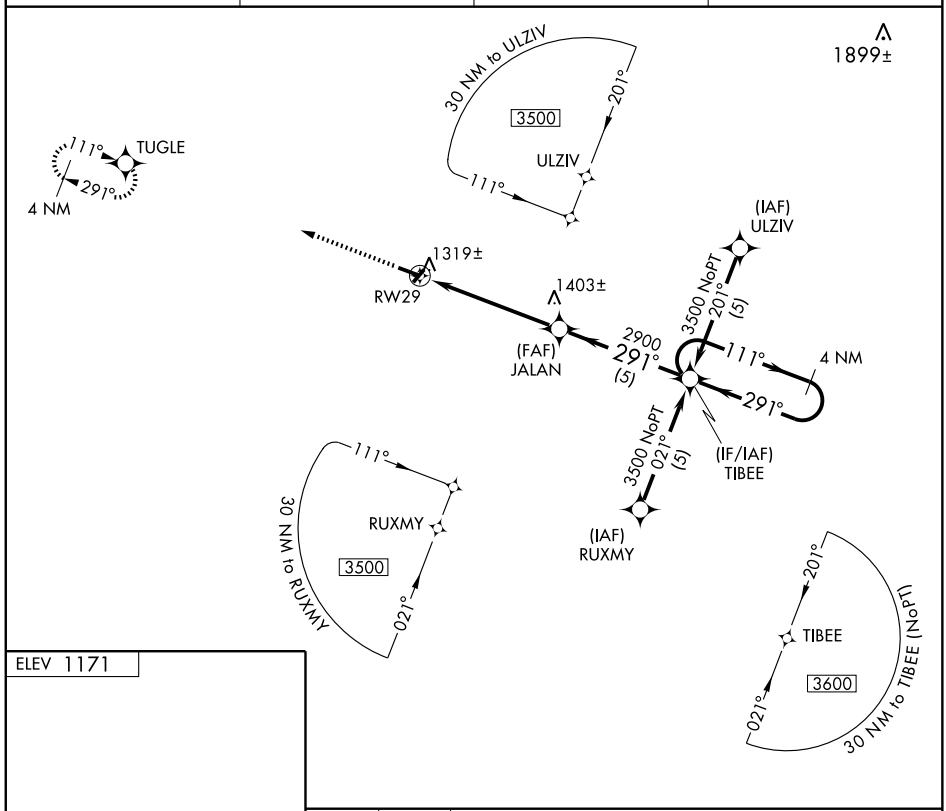
MINERAL POINT/ IOWA COUNTY (MRJ)

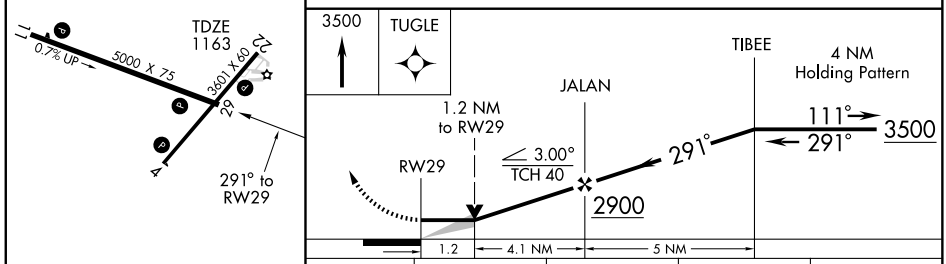
NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct TUGLE WP and hold.

AWOS-3	CHICAGO CENTER	GCO	UNICOM
118.525	133.95 281.4	121.725	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1580-1 417 (500-1)		1580-1¼ 417 (500-1¼)	NA
CIRCLING	1620-1 449 (500-1)	1640-1 469 (500-1)	1640-1½ 469 (500-1½)	NA

REIL Rwys 11 and 29 L
MIRL Rwys 4-22 and 11-29 L

LOC I-DOF	APP CRS	Rwy ldg	5150
111.7	001°	TDZE	1627
Chan 54		Apt Elev	1629

LOC RWY 36

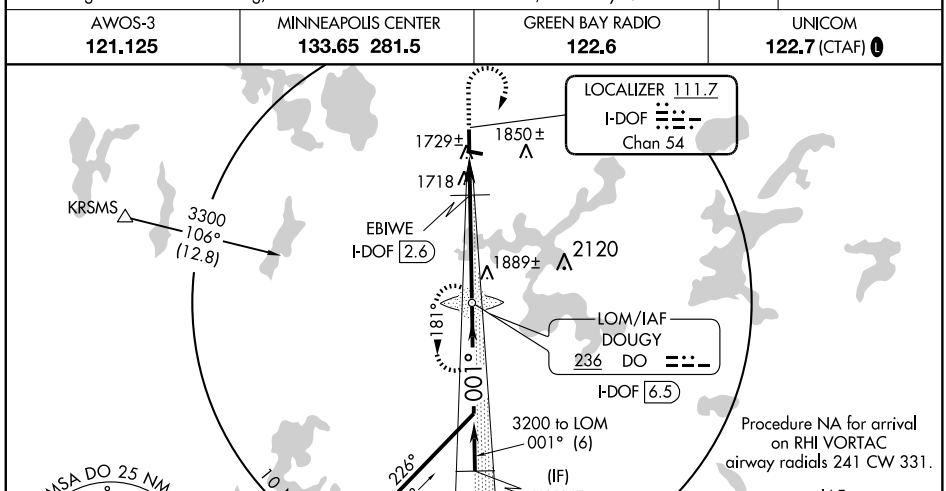
MINOCQUA-WOODRUFF/LAKELAND/NOBLE F. LEE MEM. FIELD (ARV)

T NA ADF Required. Visibility reduction by helicopters NA. Inoperative table does not apply to S-36 Cats A, B and EBIWE FIX minimums S-36 Cats A, B, C. For inoperative MALSR, increase S-36 Cat C visibility ¼ mile and EBIWE FIX minimums Cat D visibility ¼ mile. When local altimeter setting not received, use Eagle River altimeter setting and increase all MDA 60 feet and increase S-36 Cat D visibility ¼ mile. For inoperative MALSR when using Eagle River altimeter setting, increase EBIWE FIX minimums Cats C, D visibility ¼ mile.

MALSR A5

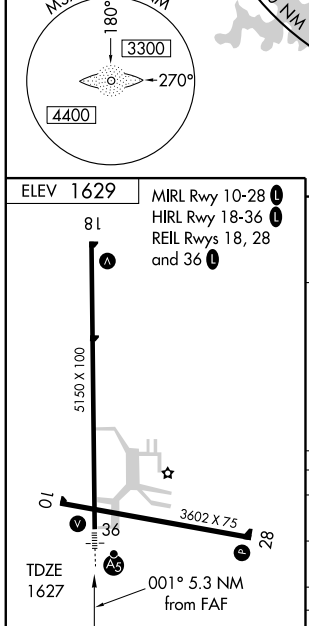
MISSED APPROACH: Climb to 3300 then right turn direct DO LOM and hold.

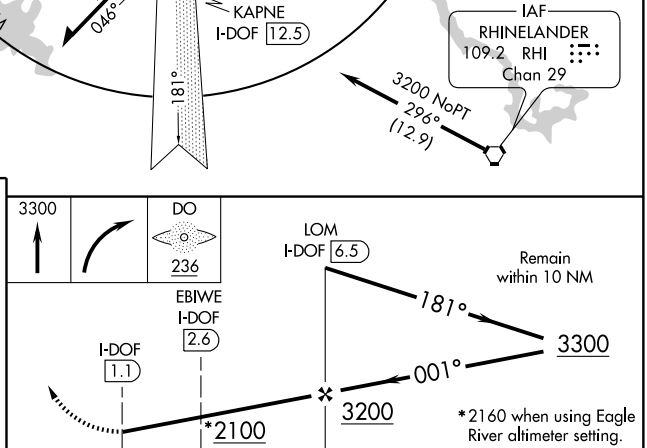
AWOS-3	MINNEAPOLIS CENTER	GREEN BAY RADIO	UNICOM
121.125	133.65 281.5	122.6	122.7 (CTAF) L



ELEV 1629

MIRL Rwy 10-28 L
HIRL Rwy 18-36 L
REIL Rwys 18, 28 and 36 L





CATEGORY	A	B	C	D
S-36	2100-1 473 (500-1)			
CIRCLING	2100-1 471 (500-1)		2200-1½ 571 (600-1½)	2200-2 571 (600-2)
EBIWE FIX MINIMUMS				
S-36	1980-1 353 (400-1)			
CIRCLING	2100-1 471 (500-1)		2200-1½ 571 (600-1½)	2200-2 571 (600-2)

FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB ARV	APP CRS	Rwy ldg	3602
221	291°	TDZE	1625
		Apt Elev	1629

NDB RWY 28

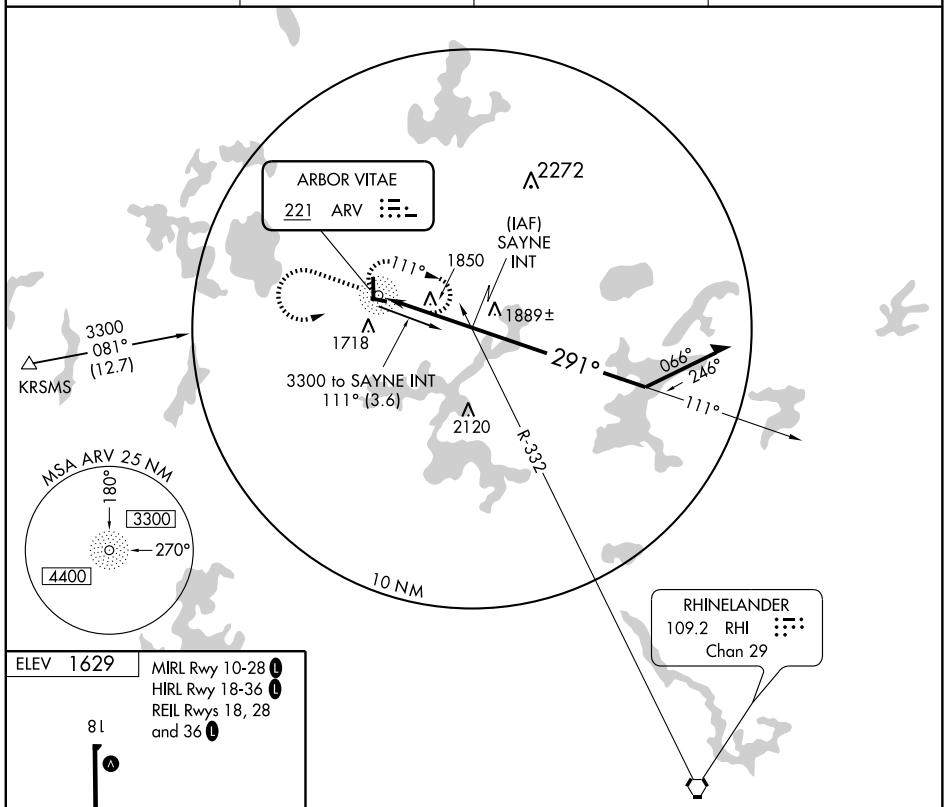
MINOCQUA-WOODRUFF/LAKELAND/NOBLE F. LEE MEM. FIELD (ARV)

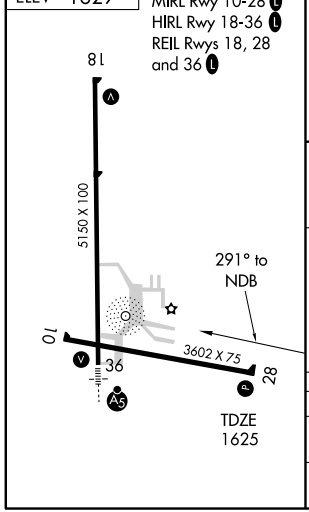
When local altimeter setting not received, use Eagle River altimeter setting and increase all MDA 60 feet, increase S-28 Cats C and D and Circling Cat C visibility ¼ mile.

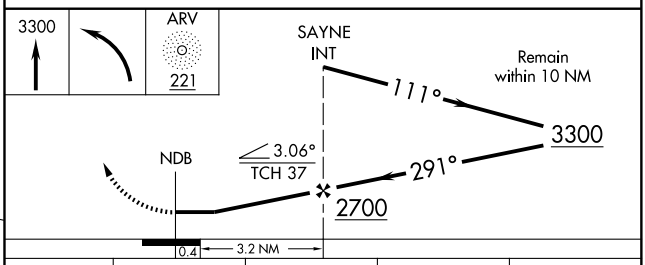
NA

MISSED APPROACH: Climb to 3300 then left turn direct ARV NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GREEN BAY RADIO	UNICOM
121.125	133.65 281.5	122.6	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-28	2200-1 575 (600-1)		2200-1½ 575 (600-1½)	2200-1¾ 575 (600-1¾)
CIRCLING	2200-1 571 (600-1)		2200-1½ 571 (600-1½)	2200-2 571 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 72915 W18A	APP CRS 181°	Rwy ldg 5150 TDZE 1629 Apt Elev 1629

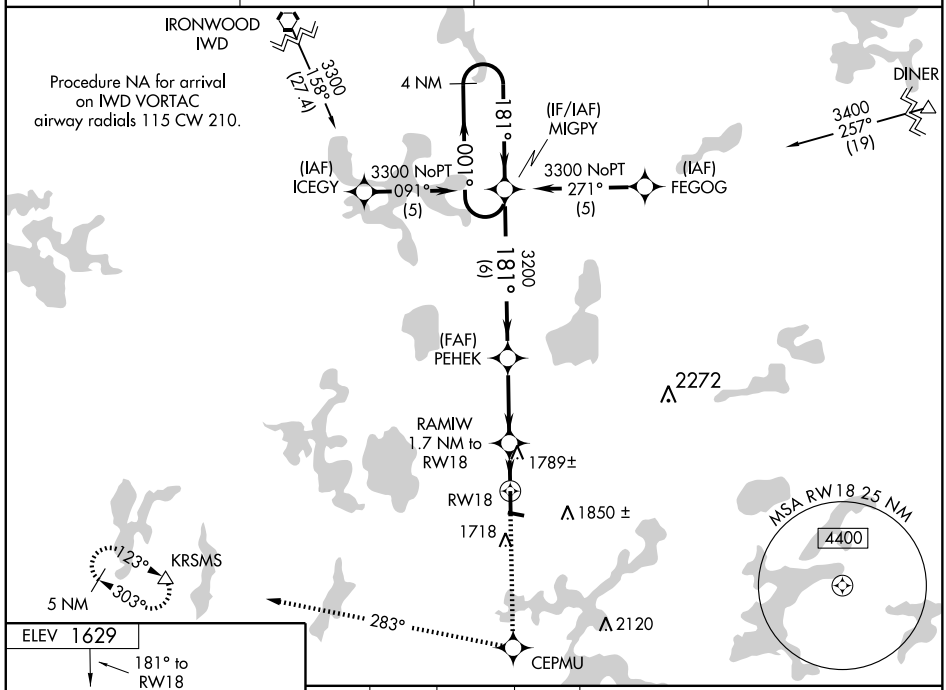
RNAV (GPS) RWY 18

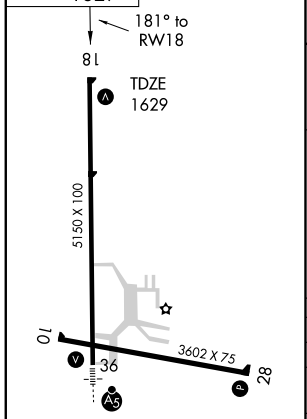
MINOCQUA-WOODRUFF/LAKELAND/NOBLE F. LEE MEM. FIELD (ARV)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Eagle River altimeter setting and increase all DA 47 feet and all MDA 60 feet, increase LNAV Cat D and Circling Cat C visibility ¼ mile. Baro-VNAV and VDP NA when using Eagle River altimeter setting.

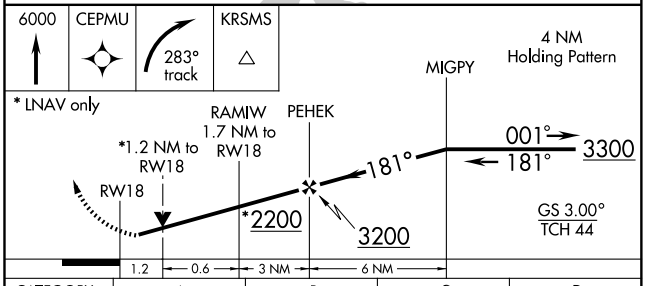
MISSED APPROACH: Climb to 6000 direct CEPMU and right turn via track 283° to KRSMS and hold, continue climb-in-hold to 6000.

AWOS-3	MINNEAPOLIS CENTER	GREEN BAY RADIO	UNICOM
121.125	133.65 281.5	122.6	122.7 (CTAF) L





MIRL Rwy 10-28 L
HIRL Rwy 18-36 L
REIL Rwys 18, 28 and 36 L



CATEGORY	A	B	C	D
LPV DA	1973-1¼ 344 (400-1¼)			
LNAV/VNAV DA	2100-1¾ 471 (500-1¾)			
LNAV MDA	2040-1 411 (500-1)		2040-1¼ 411 (500-1¼)	
CIRCLING	2100-1 471 (500-1)		2200-1½ 571 (600-1½)	2200-2 571 (600-2)

APP CRS	Rwy ldg	3602
283°	TDZE	1625
	Apt Elev	1629

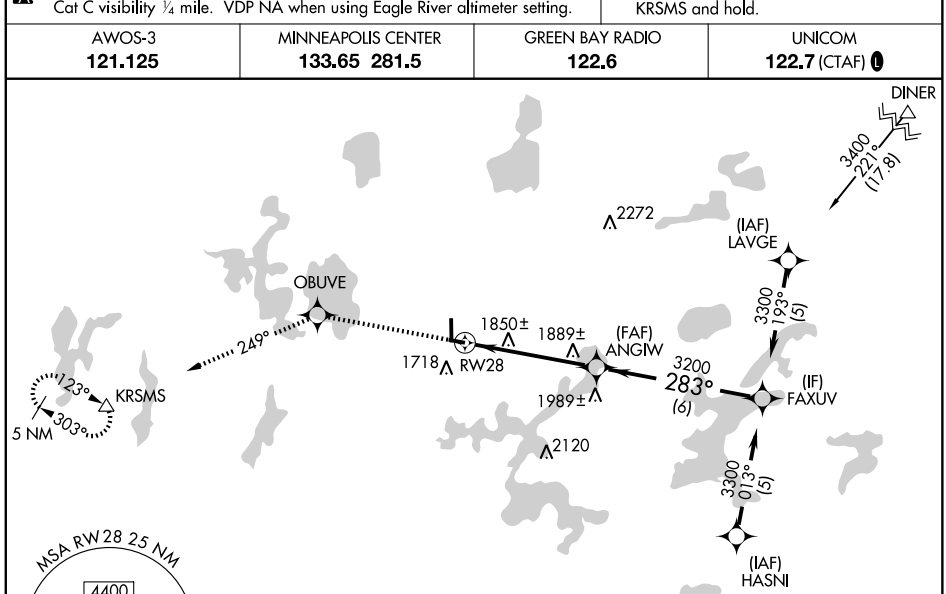
RNAV (GPS) RWY 28

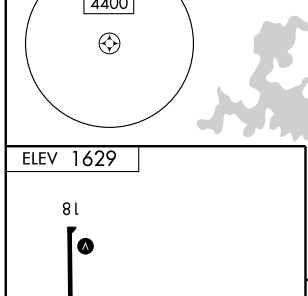
MINOCQUA-WOODRUFF/LAKELAND/NOBLE F. LEE MEM. FIELD (ARV)

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Eagle River altimeter setting and increase all MDA 60 feet and Circling Cat C visibility ¼ mile. VDP NA when using Eagle River altimeter setting.

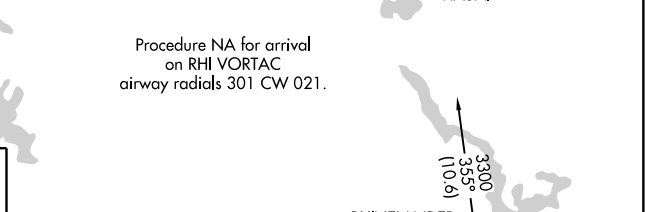
MISSED APPROACH: Climb to 6000 direct OBUVE and via track 249° to KRSMS and hold.

AWOS-3	MINNEAPOLIS CENTER	GREEN BAY RADIO	UNICOM
121.125	133.65 281.5	122.6	122.7 (CTAF) L





MIRL Rwy 10-28 L
HIRL Rwy 18-36 L
REIL Rwys 18, 28 and 36 L



CATEGORY	A	B	C	D
LNAV MDA	2140-1 515 (600-1)		2140-1½ 515 (600-1½)	2140-1¾ 515 (600-1¾)
CIRCLING	2140-1 511 (600-1)		2200-1½ 571 (600-1½)	2200-2 571 (600-2)

WAAS CH 49115 W36A	APP CRS 001°	Rwy ldg 5150 TDZE 1627 Apt Elev 1629

RNAV (GPS) RWY 36

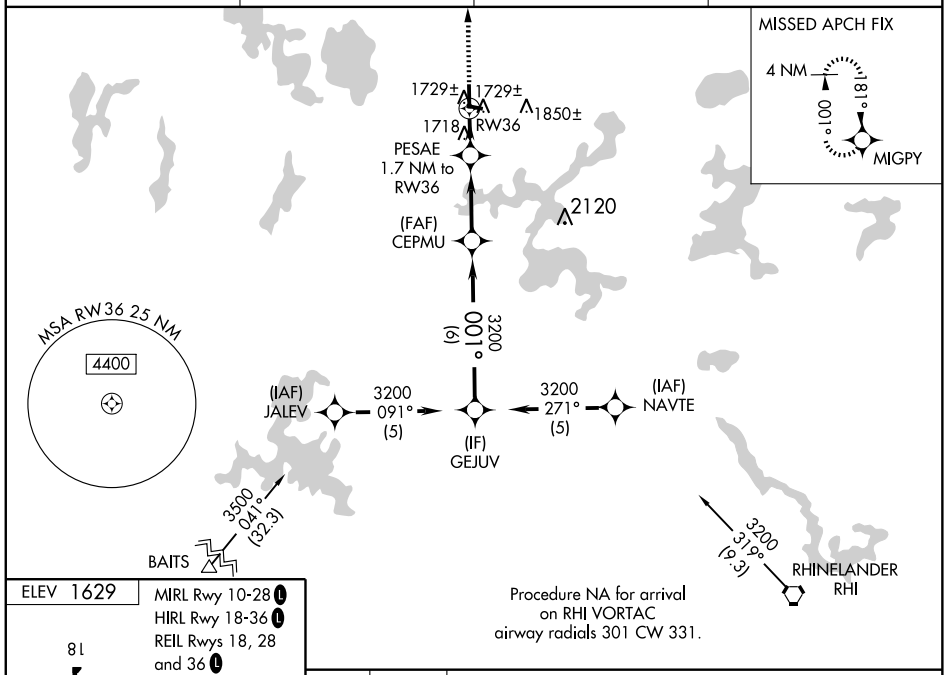
MINOCQUA-WOODRUFF/LAKELAND/NOBLE F. LEE MEM. FIELD (ARV)

Baro-VNAV NA when using Eagle River altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Inoperative table does not apply to LNAV Cats A, B, C. For inoperative MALSR, increase LNAV/VNAV all Cats and LNAV Cat D visibility ¼ mile. When local altimeter setting not received, use Eagle River altimeter setting and increase all DA 47 feet and all MDA 60 feet and increase Circling Cat C visibility ¼ mile. Inoperative table does not apply to LNAV Cats A, B when using Eagle River altimeter setting. For inoperative MALSR when using Eagle River altimeter setting, increase LNAV Cats C, D, visibility ¼ mile.

MALSR

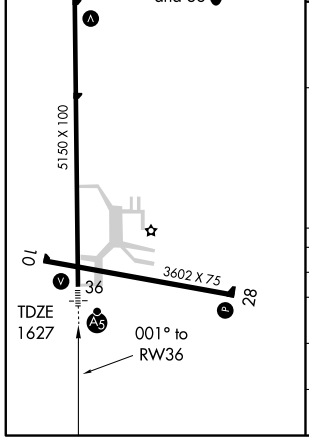
MISSED APPROACH: Climb to 3300 direct MIGPY and hold.

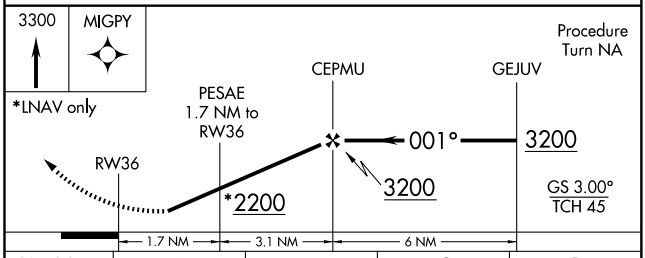
AWOS-3	MINNEAPOLIS CENTER	GREEN BAY RADIO	UNICOM
121.125	133.65 281.5	122.6	122.7 (CTAF) L



ELEV 1629

MIRL Rwy 10-28 L
HIRL Rwy 18-36 L
REIL Rwys 18, 28 and 36 L





CATEGORY	A	B	C	D
LPV DA	1948-1 321 (400-1)			
LNAV/VNAV DA	1999-1 372 (400-1)			
LNAV MDA	1980-1 353 (400-1)			
CIRCLING	2100-1 471 (500-1)		2200-1½ 571 (600-1½)	2200-2 571 (600-2)

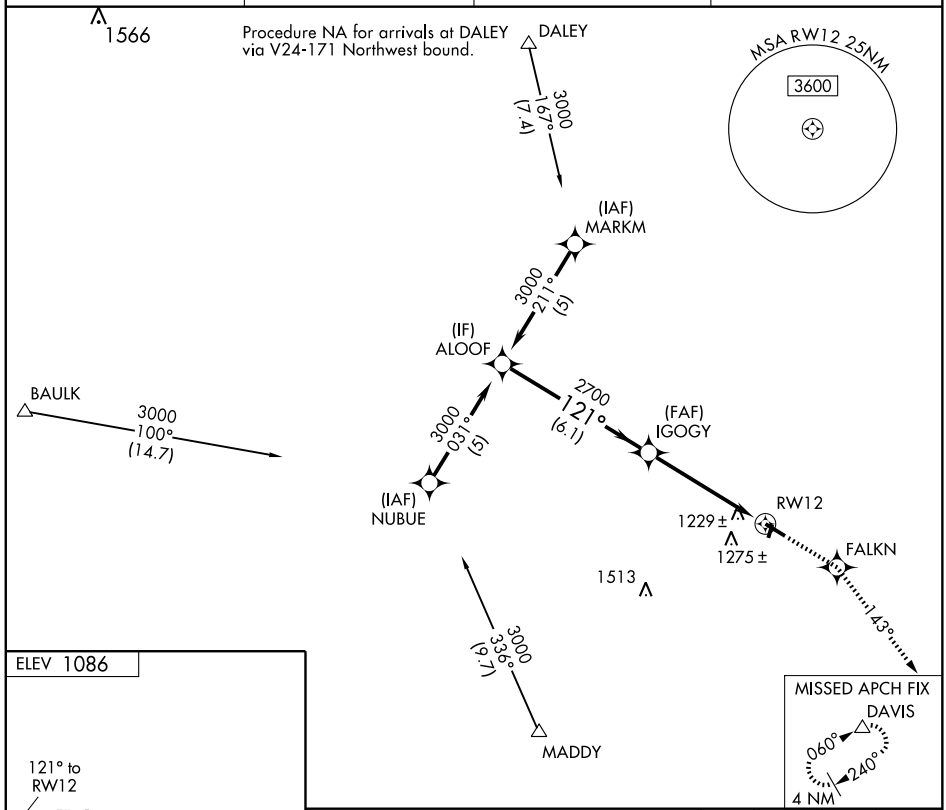
APP CRS	Rwy ldg	5000
121°	TDZE	1086
	Apt Elev	1086

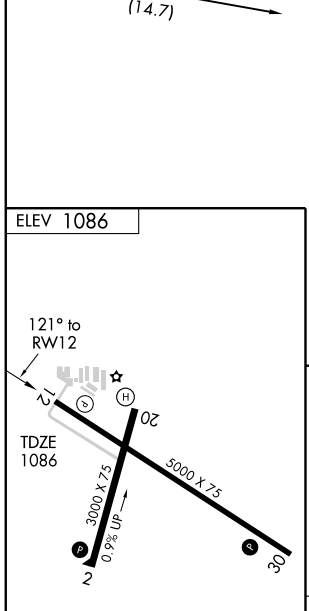
RNAV (GPS) RWY 12
MONROE MUNI (EFT)

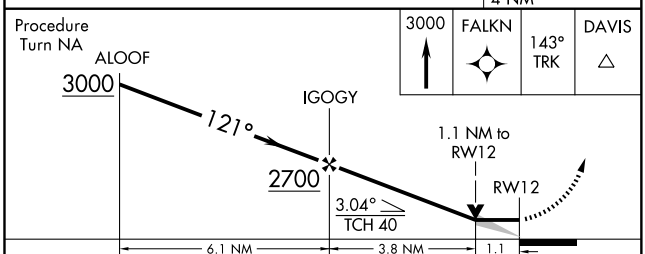
DME/DME RNP-0.3 NA. VDP NA when using Albertus altimeter setting. When local altimeter setting not received, use Albertus altimeter setting and increase all MDA 100 feet, increase LNAV Cat. C/D and Circling Cat. C visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct FALKN and via 143° track to DAVIS and hold.

AWOS-3	ROCKFORD APP CON	GCO	UNICOM
118.375	126.0 327.0	121.725	123.05 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1480-1 394 (400-1)			1480-1¼ 394 (400-1¼)
CIRCLING	1540-1 454 (500-1)	1640-1 554 (600-1)	1640-1½ 554 (600-1½)	1640-2 554 (600-2)

MIRL Rwys 12-30 and 2-20 L
REIL Rwys 12, 30, 2 and 20 L

EC-3, 14 JAN 2010 to 11 FEB 2010

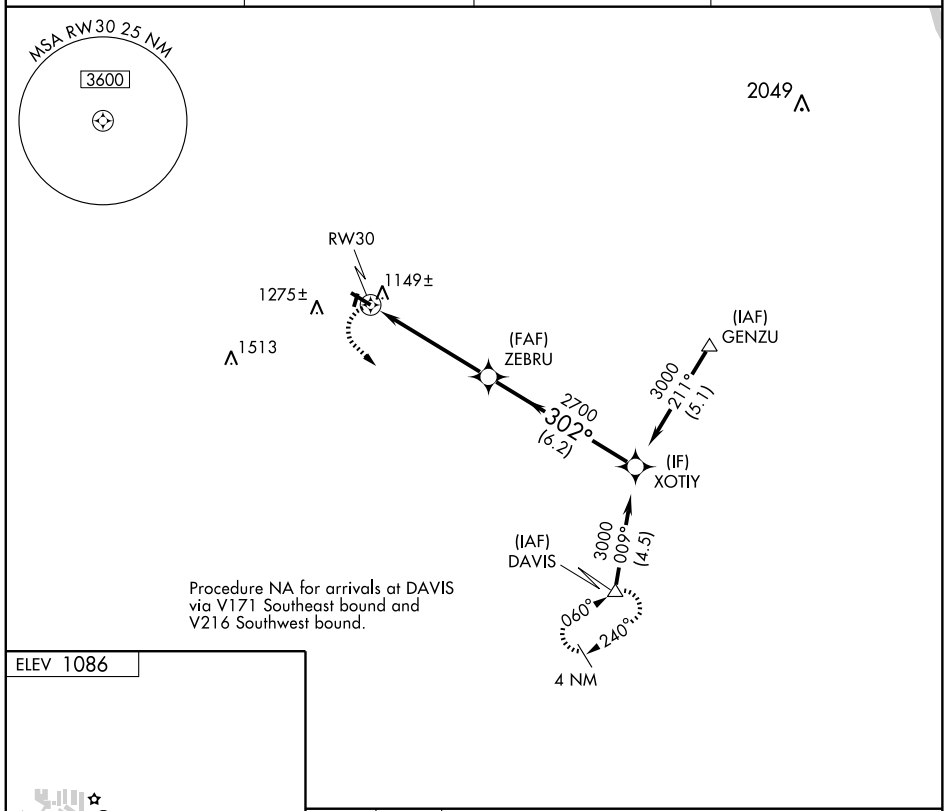
APP CRS	Rwy ldg	5000
301°	TDZE	1070
	Apt Elev	1086

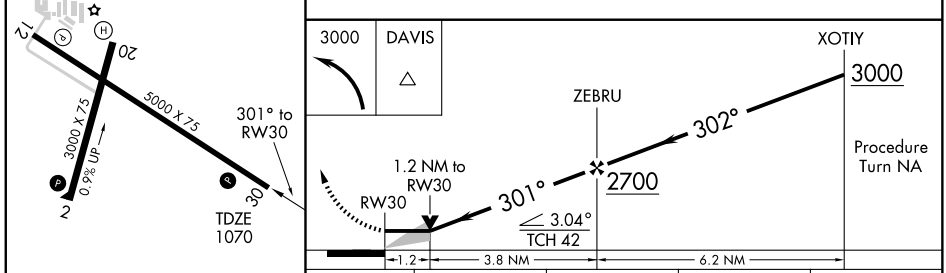
RNAV (GPS) RWY 30
MONROE MUNI (EFT)

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Albertus altimeter setting and increase all MDA 100 feet, increase LNAV Cat. C/D and Circling Cat. C visibility ¼ mile. VDP NA when using Albertus altimeter setting.

MISSED APPROACH: Climbing left turn to 3000 direct DAVIS and hold.

AWOS-3	ROCKFORD APP CON	GCO	UNICOM
118.375	126.0 327.0	121.725	123.05 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1480-1 410 (400-1)		1480-1¼ 410 (400-1¼)	
CIRCLING	1540-1 454 (500-1)	1640-1 554 (600-1)	1640-1½ 554 (600-1½)	1640-2 554 (600-2)

MIRL Rwys 12-30 and 2-20 L
REIL Rwys 12, 30, 2 and 20 L

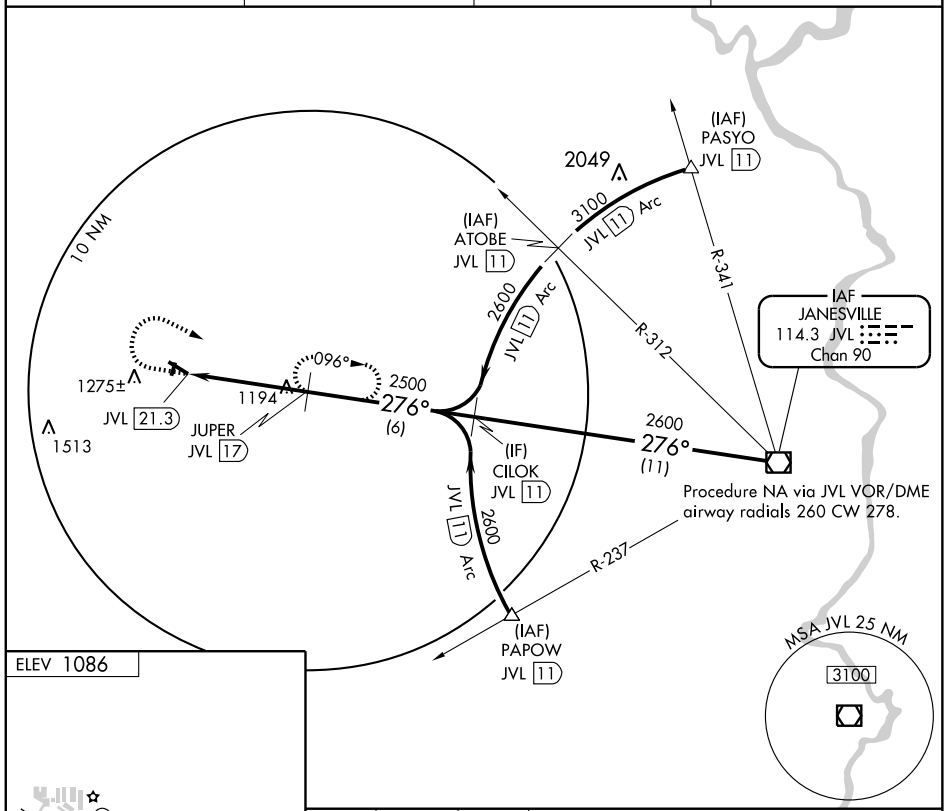
VOR/DME JVL 114.3 Chan 90	APP CRS 276°	Rwy ldg 5000 TDZE 1070 Apt Elev 1086

VOR/DME RWY 30
MONROE MUNI (EFT)

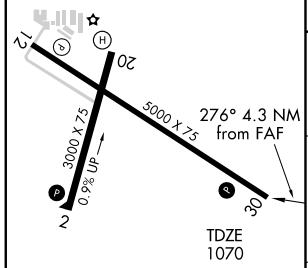
When local altimeter setting not received, use Albertus altimeter setting and increase all MDA 100 feet, increase Circling Cat. C visibility ¼ mile.

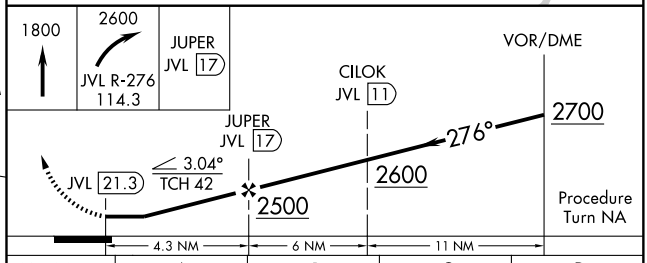
MISSED APPROACH: Climb to 1800 then climbing right turn to 2600 via JVL VOR/DME R-276 to JUPER/JVL 17 DME and hold.

AWOS-3	ROCKFORD APP CON	GCO	UNICOM
118.375	126.0 327.0	121.725	123.05 (CTAF) L



ELEV 1086





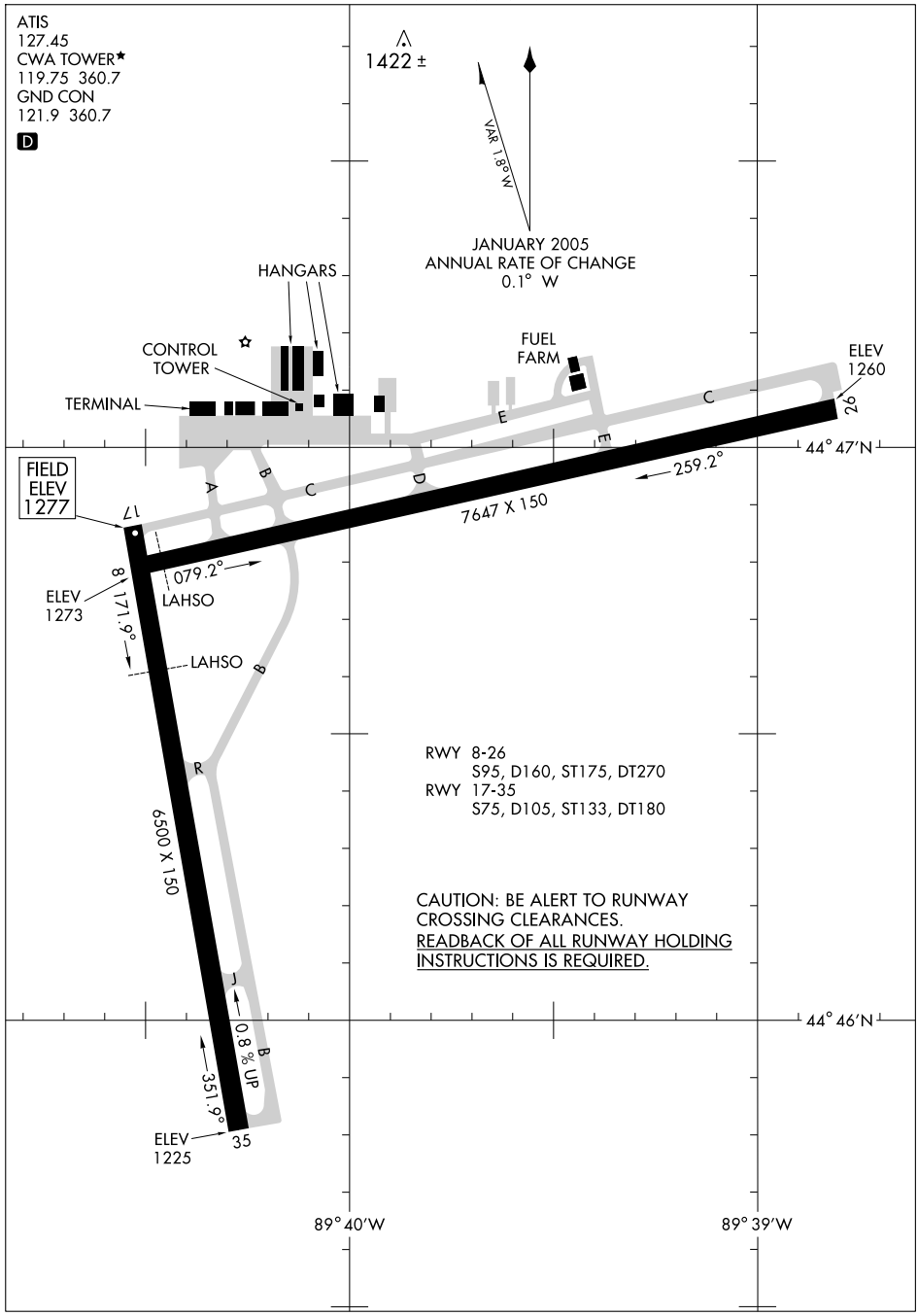
CATEGORY	A	B	C	D
S-30	1460-1 390 (400-1)	1460-1¼ 390 (400-1¼)	1460-1½ 390 (400-1½)	1460-1¾ 390 (400-1¾)
CIRCLING	1540-1 454 (500-1)	1640-1¼ 554 (600-1¼)	1640-1½ 554 (600-1½)	1640-2 554 (600-2)

MIRL Rwys 12-30 and 2-20 L
REIL Rwys 12, 30, 2 and 20 L

AIRPORT DIAGRAM

AL-5674 (FAA)

MOSINEE/CENTRAL WISCONSIN (CWA)
MOSINEE, WISCONSIN



EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-CWA	APP CRS	Rwy ldg	7647
110.3	077°	TDZE	1274
Chan 40		Apt Elev	1277

ILS or LOC RWY 8

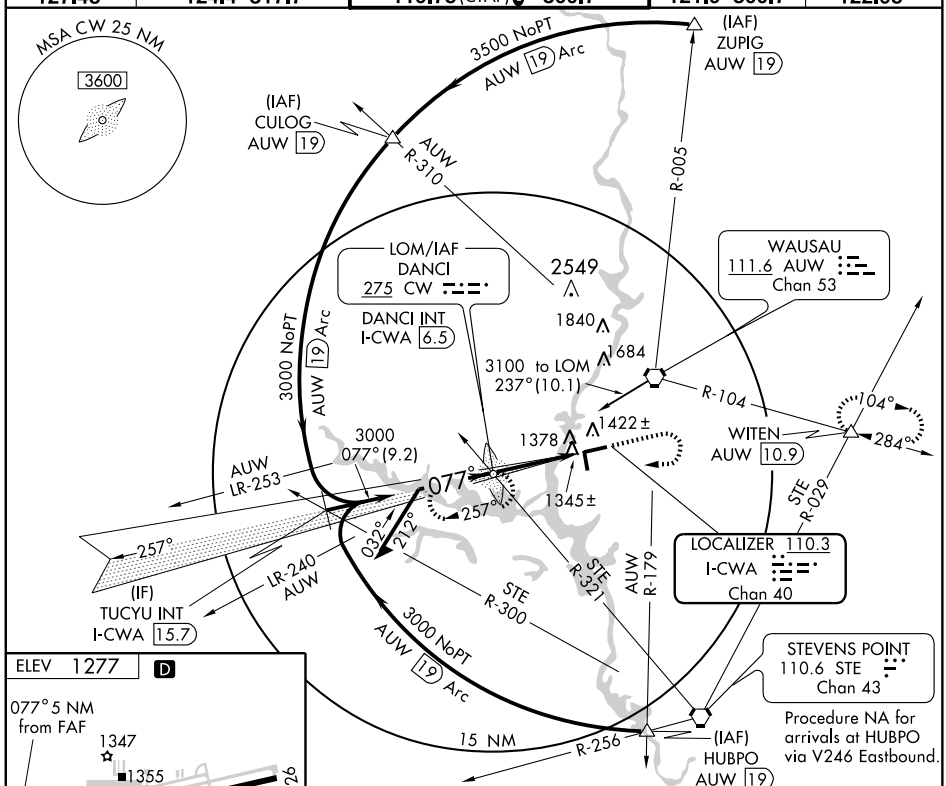
MOSINEE/CENTRAL WISCONSIN(CWA)

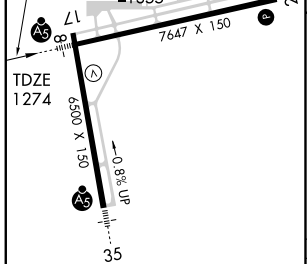
For inoperative MALSR, increase S-LOC 8 Cat. D visibility to 1. When VGSI Inop, circling to Rwy 26 NA at night. If local altimeter setting not received, use Wausau Downtown altimeter setting and increase all DAs/MDAs 40 feet. VDP NA with Wausau Downtown altimeter setting. ADF Required.

MALSR

MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct DANCI LOM/Int/ I-CWA 6.5 DME and hold.

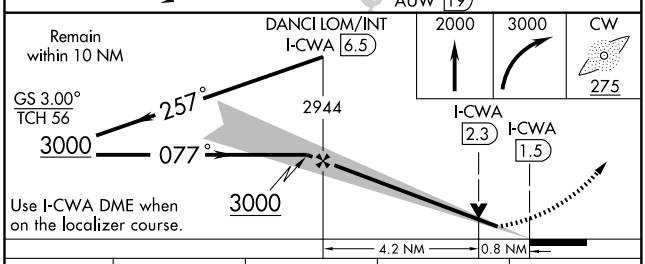
ATIS	MINNEAPOLIS CENTER	CWA TOWER★	GND CON	UNICOM
127.45	124.4 317.7	119.75(CTAF) L 360.7	121.9 360.7	122.95





REIL Rwys 17 and 26
HIRL Rwys 8-26 and 17-35 L

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40



CATEGORY	A	B	C	D
S-ILS 8	1474-½ 200 (200-½)			
S-LOC 8	1600-½ 326 (400-½)			1600-¾ 326 (400-¾)
CIRCLING	1780-1 503 (600-1)		1800-1½ 523 (600-1½)	1840-2 563 (600-2)

MOSINEE, WISCONSIN

AL-5674 (FAA)

ILS or LOC RWY 35

MOSINEE/CENTRAL WISCONSIN(CWA)

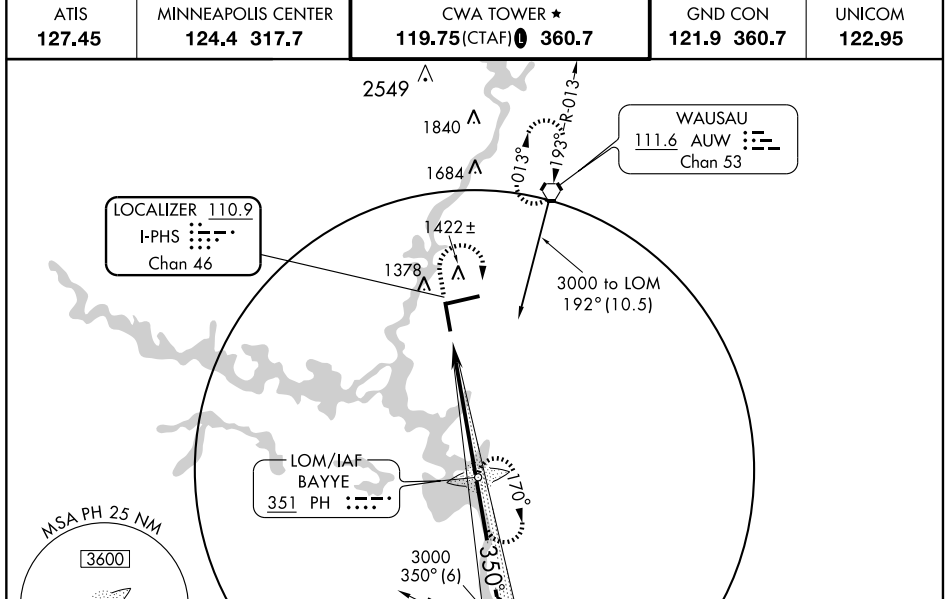
LOC/DME I-PHS	APP CRS	Rwy ldg	6500
110.9	350°	TDZE	1256
Chan 46		Apt Elev	1277

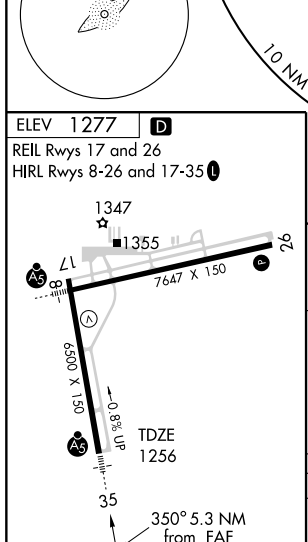
If local altimeter setting not received, use Wausau altimeter setting and increase all DAs/MDAs 40 feet. ADF REQUIRED

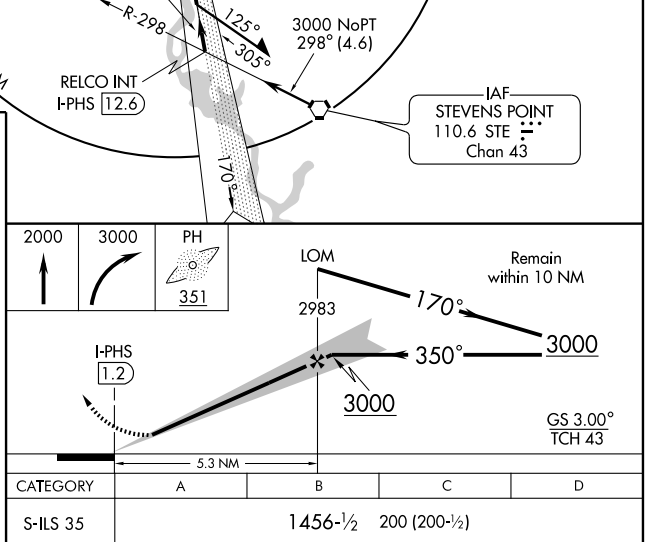
MALSR

MISSED APPROACH: Climb to 2000, then climbing right turn to 3000 direct BAYYE LOM and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER ★	GND CON	UNICOM
127.45	124.4 317.7	119.75(CTAF)(L) 360.7	121.9 360.7	122.95







FAF to MAP 5.3 NM

Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

CATEGORY	A	B	C	D
S-ILS 35	1456-½ 200 (200-½)			
S-LOC 35	1600-½ 344 (400-½)			1600-¾ 344 (400-¾)
CIRCLING	1740-1 463 (500-1)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-CWA 110.3 Chan 40	APP CRS 257°	Rwy ldg 7647 TDZE 1260 Apt Elev 1277

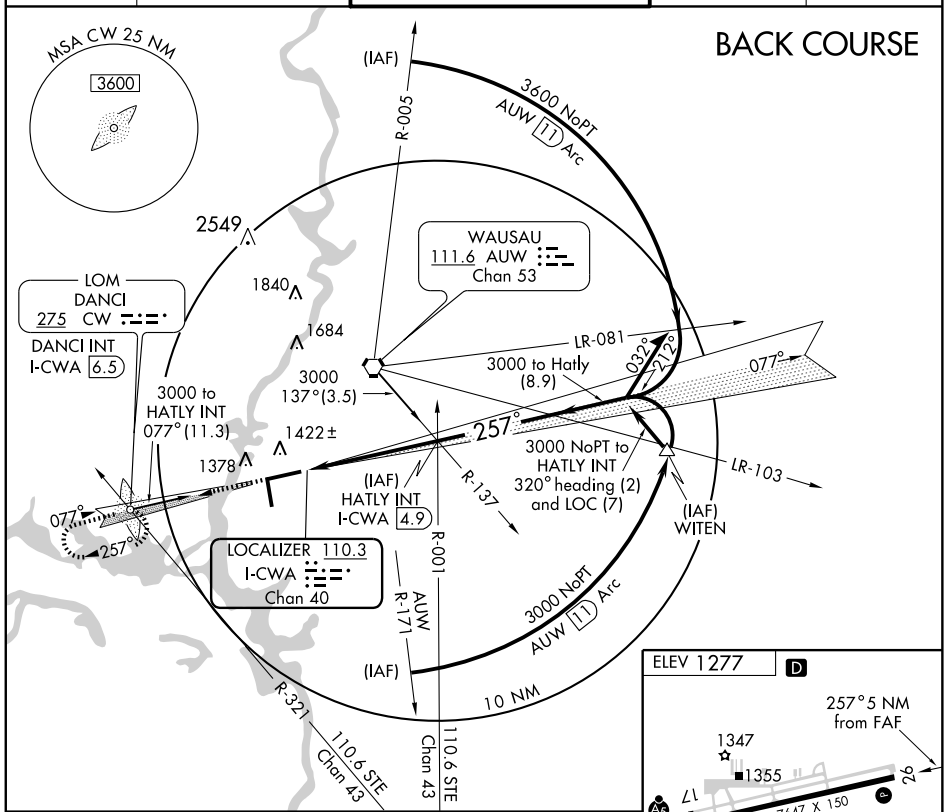
LOC BC RWY 26

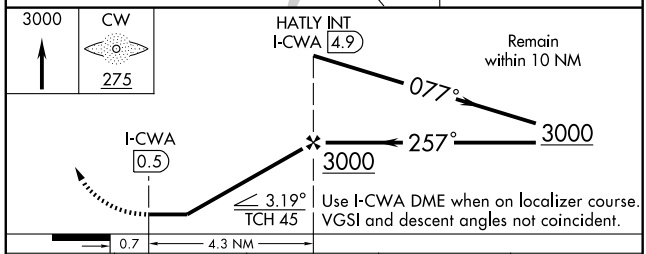
MOSINEE/CENTRAL WISCONSIN(CWA)

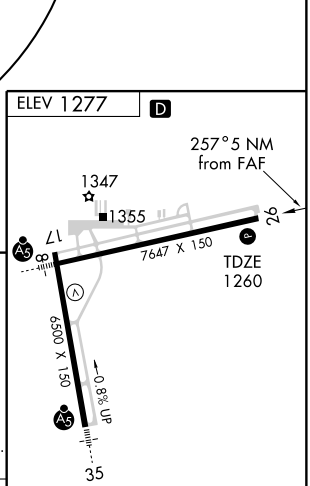
Disregard glide slope indications.

MISSED APPROACH: Climb to 3000 direct DANCI LOM/Int/I-CWA 6.5 DME and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER★	GND CON	UNICOM
127.45	124.4 317.7	119.75(CTAF)L 360.7	121.9 360.7	122.95







REIL Rwys 17 and 26
HIRL Rwys 8-26 and 17-35 L

CATEGORY	A	B	C	D
S-26	1640-1 380 (400-1)			1640-1¼ 380 (400-1¼)
CIRCLING	1740-1 463 (500-1)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

FAF to MAP 4.3 NM

Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	7647
077°	TDZE	1274
	Apt Elev	1277

RNAV (GPS) RWY 8

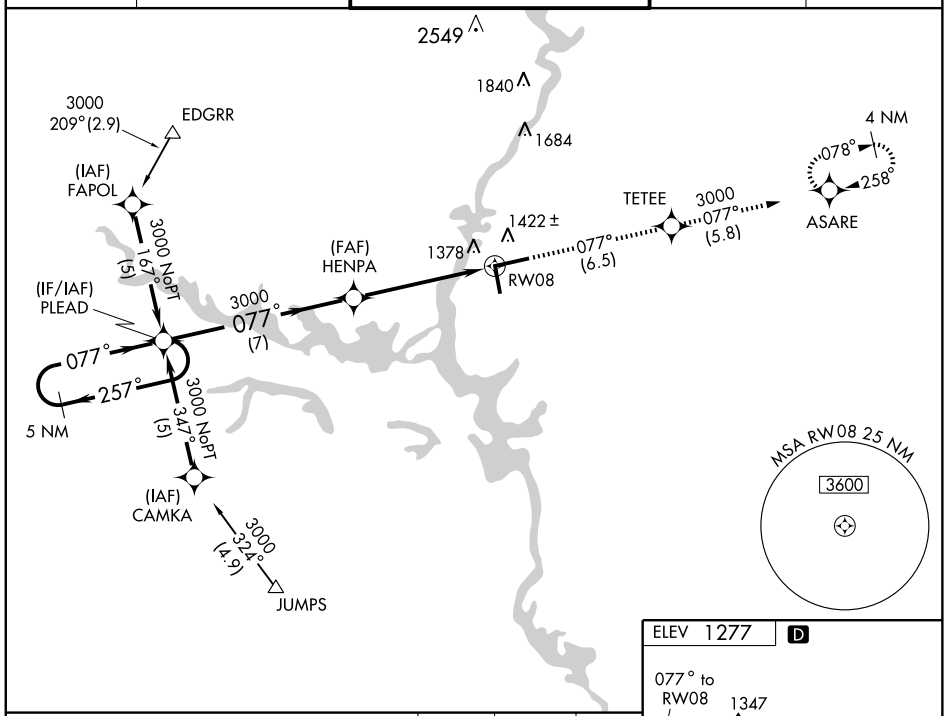
MOSINEE/CENTRAL WISCONSIN(CWA)

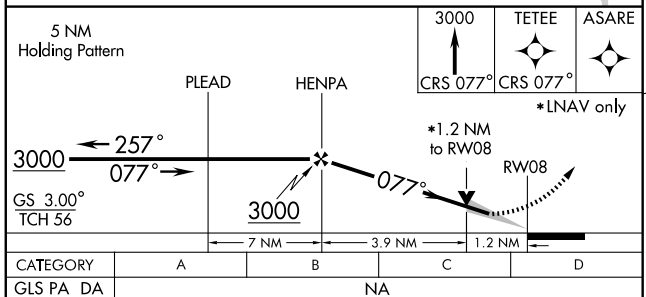
T A NA For inoperative MALSR, increase LNAV/VNAV Cat. D visibility to 1. Baro-VNAV NA below -17°C (1° F). GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

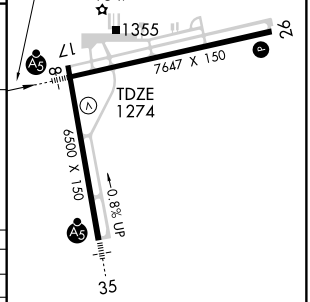
MALSR A5

MISSED APPROACH: Climb to 3000 via 077° course to TETEE WP then via 077° course to ASARE WP and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER★	GND CON	UNICOM
127.45	124.4 317.7	119.75 (CTAF) L 360.7	121.9 360.7	122.95







CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1600-½ 326 (400-½)			1600-¾ 326 (400-¾)
LNAV MDA	1720-½ 446 (500-½)		1720-¾ 446 (500-¾)	1720-1 446 (500-1)
CIRCLING	1740-1 463 (500-1)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

REIL Rwys 17 and 26
HIRL Rwys 8-26 and 17-35 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6500
170°	TDZE	1277
	Apt Elev	1277

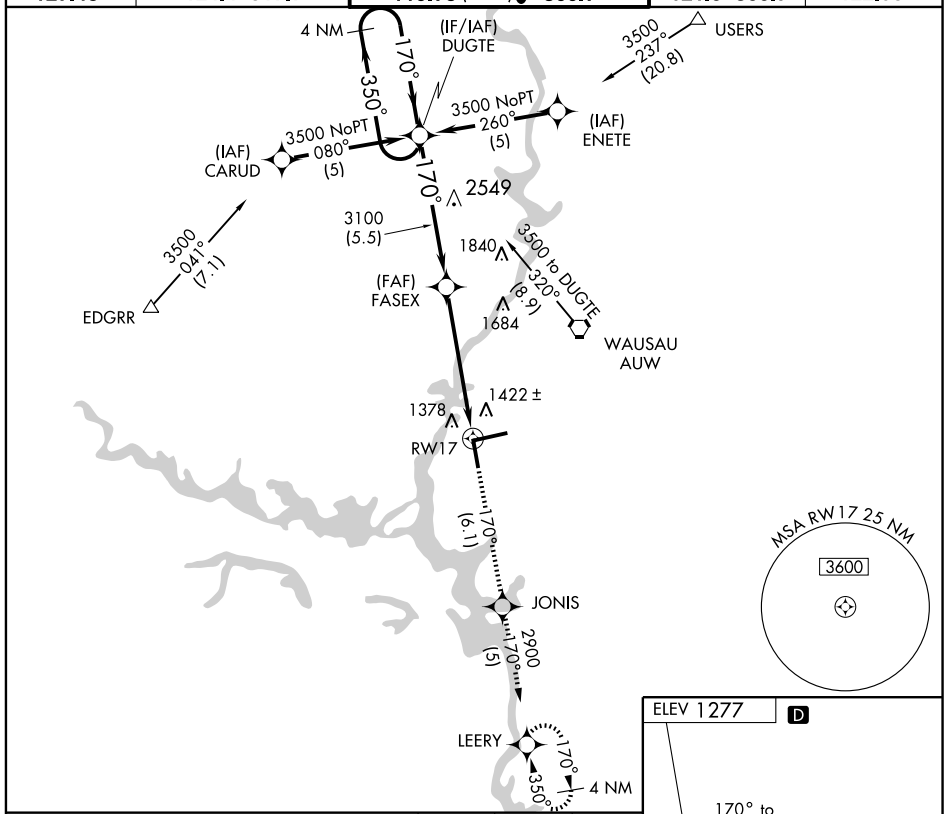
RNAV (GPS) RWY 17

MOSINEE/CENTRAL WISCONSIN(CWA)

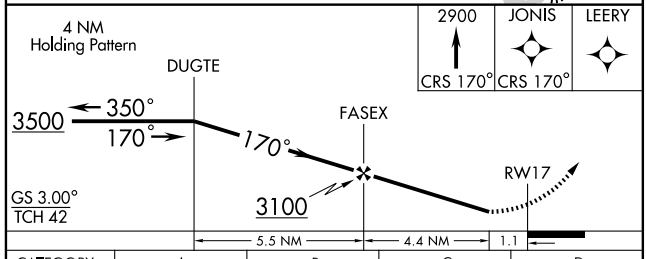
Baro-VNAV NA below -17°C (1° F).
NA GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

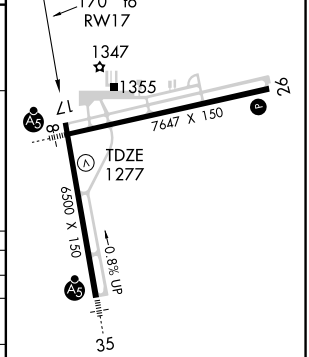
MISSED APPROACH: Climb to 2900 via 170° course to JONIS WP then via 170° course to LEERY WP and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER★	GND CON	UNICOM
127.45	124.4 317.7	119.75 (CTAF) L 360.7	121.9 360.7	122.95



2900	JONIS	LEERY
CRS 170°	CRS 170°	





REIL Rwys 17 and 26
HIRL Rwys 8-26 and 17-35 L

CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1680-1½ 403 (500-1½)			
LNAV MDA	1680-1 403 (500-1)		1680-1¼ 403 (500-1¼)	
CIRCLING	1740-1½ 463 (500-1½)			1840-2 563 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	7647
257°	TDZE	1260
	Apt Elev	1277

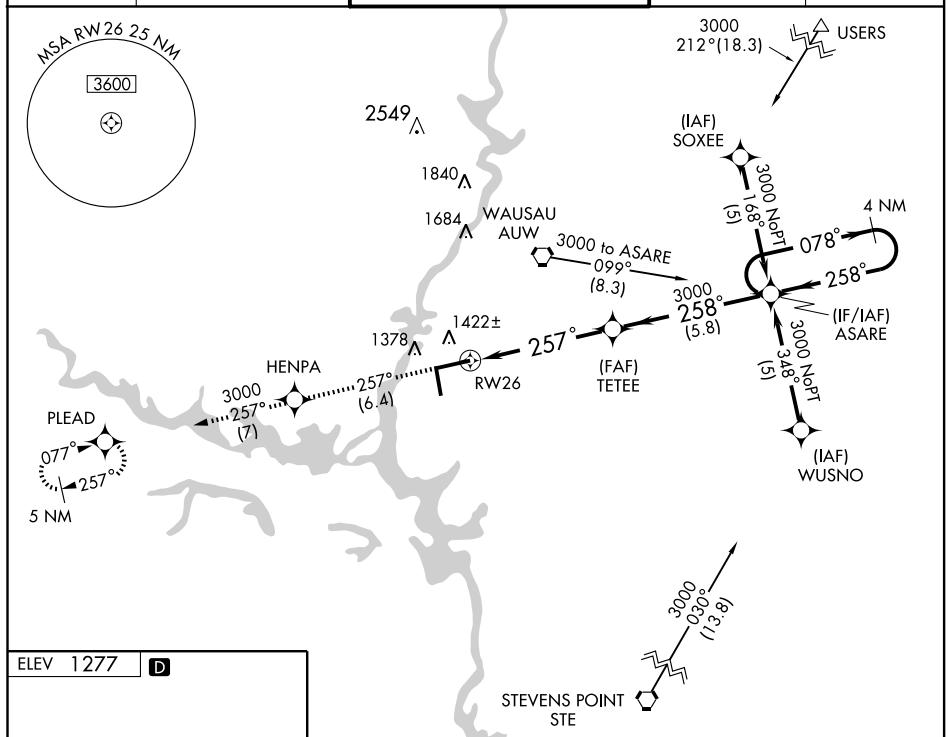
RNAV (GPS) RWY 26
MOSINEE/CENTRAL WISCONSIN(CWA)

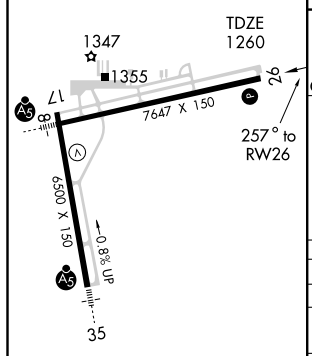
T NA

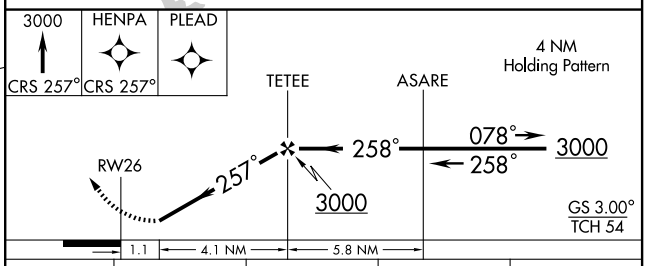
Baro-VNAV NA below -17°C (1° F).
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 via 257° course to HENPA WP then via 257° course to PLEAD WP and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER ★	GND CON	UNICOM
127.45	124.4 317.7	119.75 (CTAF) L 360.7	121.9 360.7	122.95







CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1660-1¼ 400 (400-1¼)			
LNAV MDA	1660-1 400 (400-1)			1660-1¼ 400 (400-1¼)
CIRCLING	1740-1¼ 463 (500-1¼)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

REIL Rwys 17 and 26
HIRL Rwys 8-26 and 17-35 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6500
350°	TDZE	1256
	Apt Elev	1277

RNAV (GPS) RWY 35

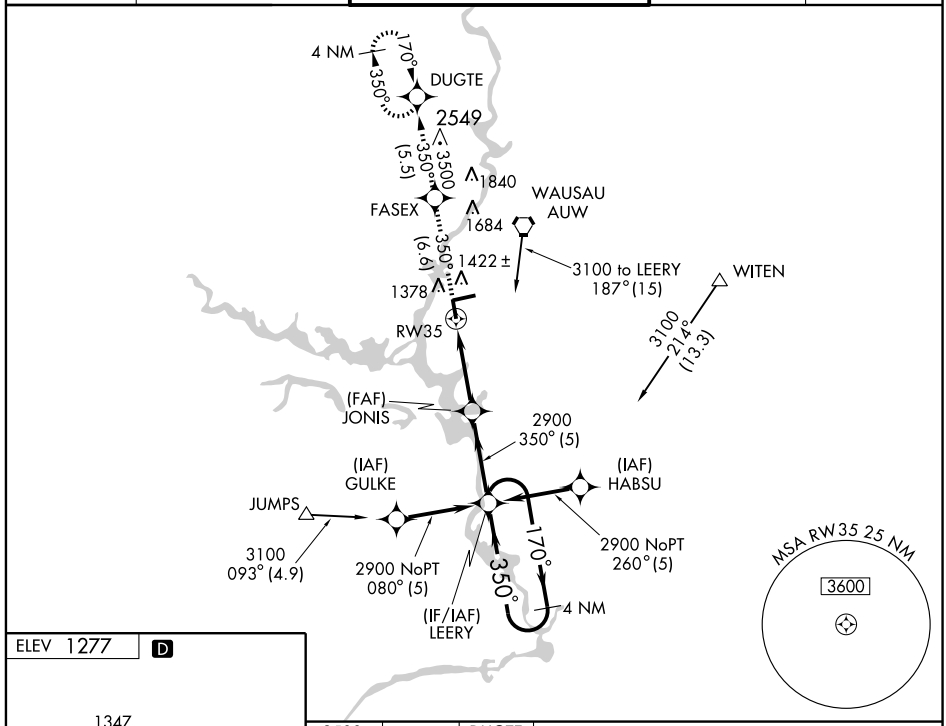
MOSINEE/ CENTRAL WISCONSIN (CWA)

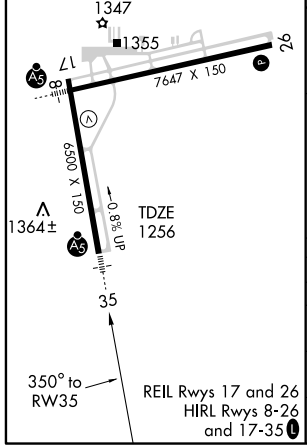
NA For inoperative MALSR, increase LNAV Cat. D visibility to 1¼. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Baro-VNAV NA below -17°C (1° F).

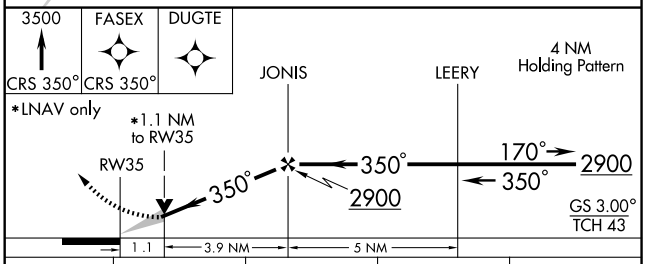
MALSR

MISSED APPROACH: Climb to 3500 via 350° course to FASEX WP then via 350° course to DUGTE WP and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER★	GND CON	UNICOM
127.45	124.4 317.7	119.75(CTAF)L 360.7	121.9 360.7	122.95







CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/ VNAV DA	1600-¾ 344 (400-¾)			
LNAV MDA	1620-½ 364 (400-½)			1620-1 364 (400-1)
CIRCLING	1740-1¼ 463 (500-1¼)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC STE	APP CRS	Rwy ldg	6500
110.6	336°	TDZE	1256
Chan 43		Apt Elev	1277

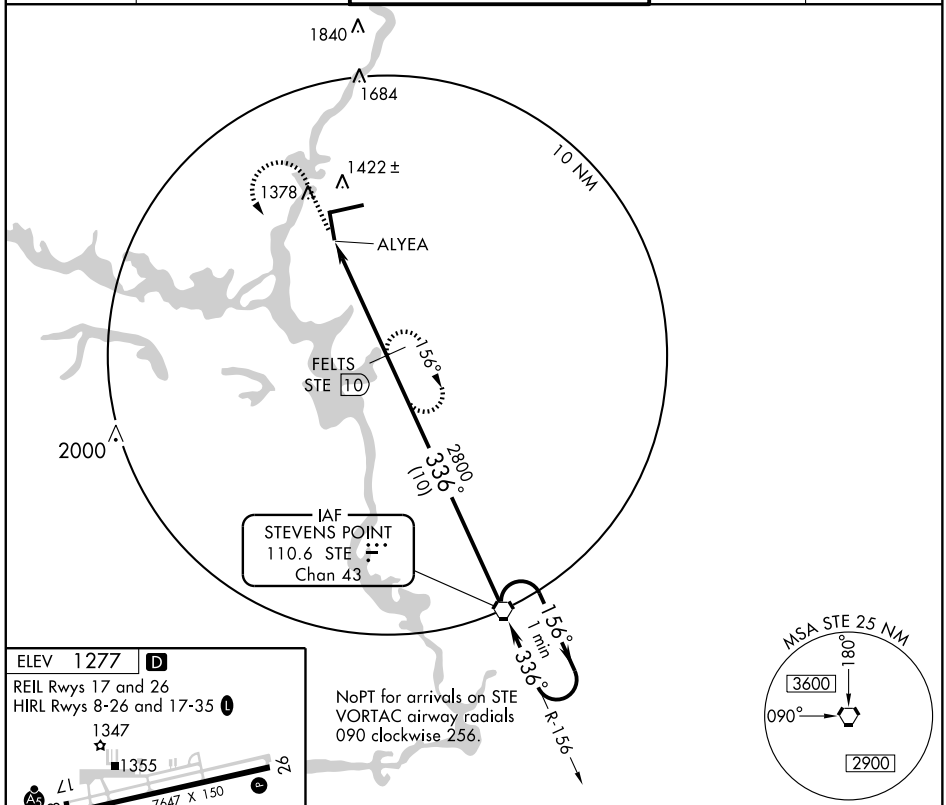
VOR/DME RWY 35

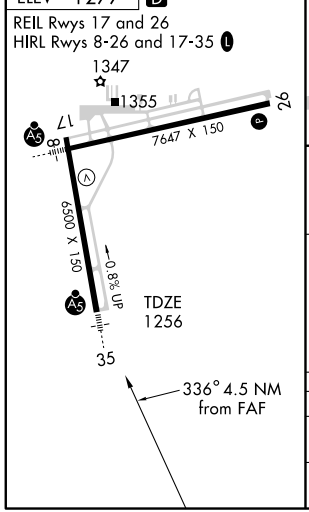
MOSINEE/CENTRAL WISCONSIN (CWA)

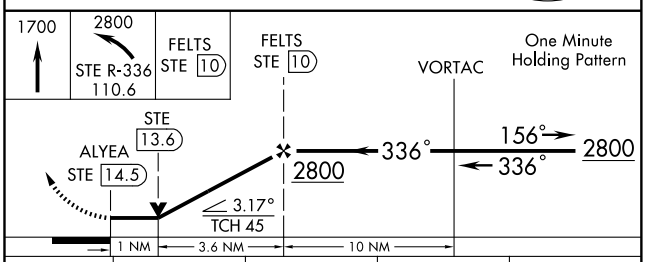
MALSR

MISSED APPROACH: Climb to 1700 then climbing left turn to 2800 via STE R-336 to FELTS and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER ★	GND CON	UNICOM
127.45	124.4 317.7	119.75(CTAF) L 360.7	121.9 360.7	122.95







CATEGORY	A	B	C	D
S-35	1600-1 344 (400-1)			1600-1¼ 344 (400-1¼)
CIRCLING	1740-1 463 (500-1)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC AUW	APP CRS	Rwy ldg	N/A
111.6	217°	TDZE	N/A
Chan 53		Apt Elev	1277

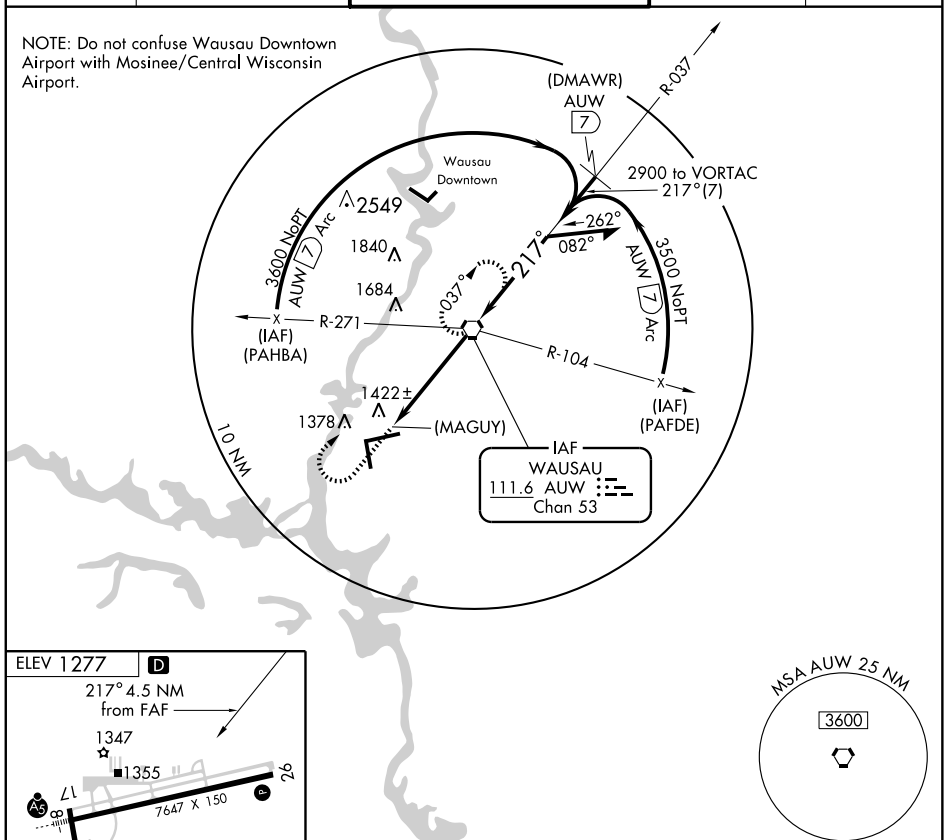
VOR or GPS-A

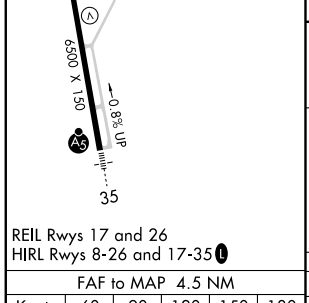
MOSINEE/CENTRAL WISCONSIN(CWA)

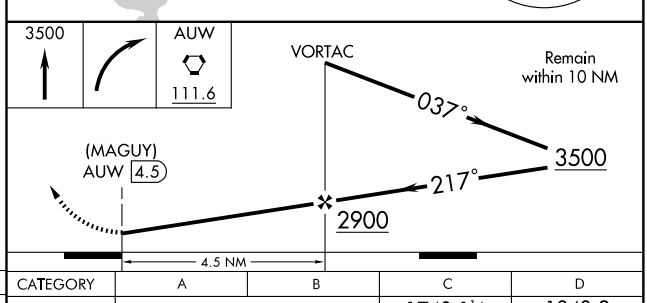
MISSED APPROACH: Climb to 3500 then right turn direct AUW VORTAC and hold.

ATIS	MINNEAPOLIS CENTER	CWA TOWER ★	GND CON	UNICOM
127.45	124.4 317.7	119.75(CTAF) L 360.7	121.9 360.7	122.95

NOTE: Do not confuse Wausau Downtown Airport with Mosinee/Central Wisconsin Airport.







FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

CATEGORY	A	B	C	D
CIRCLING	1740-1 463 (500-1)		1740-1½ 463 (500-1½)	1840-2 563 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

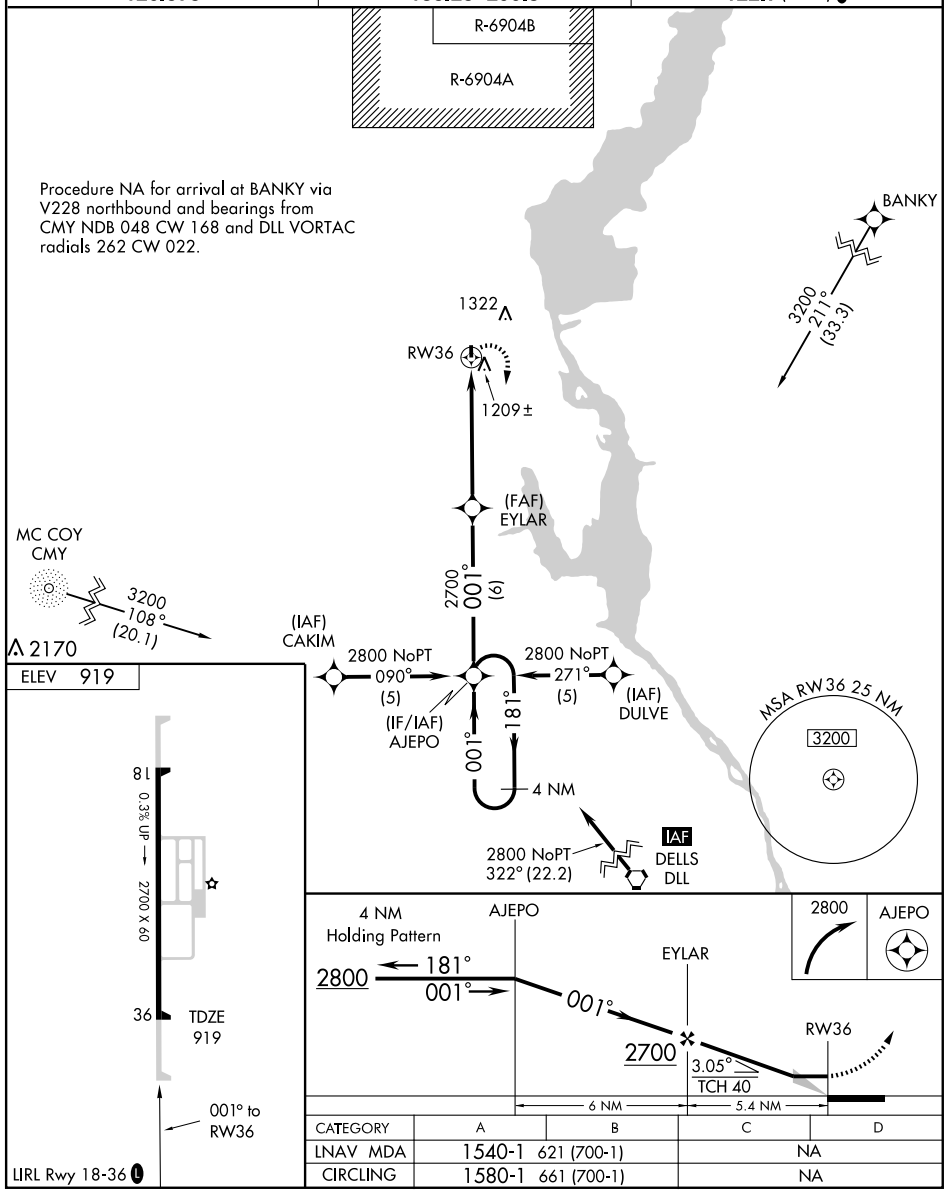
APP CRS	Rwy ldg	2700
001°	TDZE	919
	Apt Elev	919

RNAV (GPS) RWY 36
NECEDAH (DAF)

NA
Use Wisconsin Rapids altimeter setting.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
IAF ARM APPROACH MODE PRIOR TO IAF.

MISSED APPROACH: Climbing right turn to 2800 direct AJEPO WP and hold.

WISCONSIN RAPIDS ASOS	VOLK APP CON ★	UNICOM
126.575	135.25 290.8	122.7 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1540-1 621 (700-1)		NA	
CIRCLING	1580-1 661 (700-1)		NA	

LIRL Rwy 18-36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

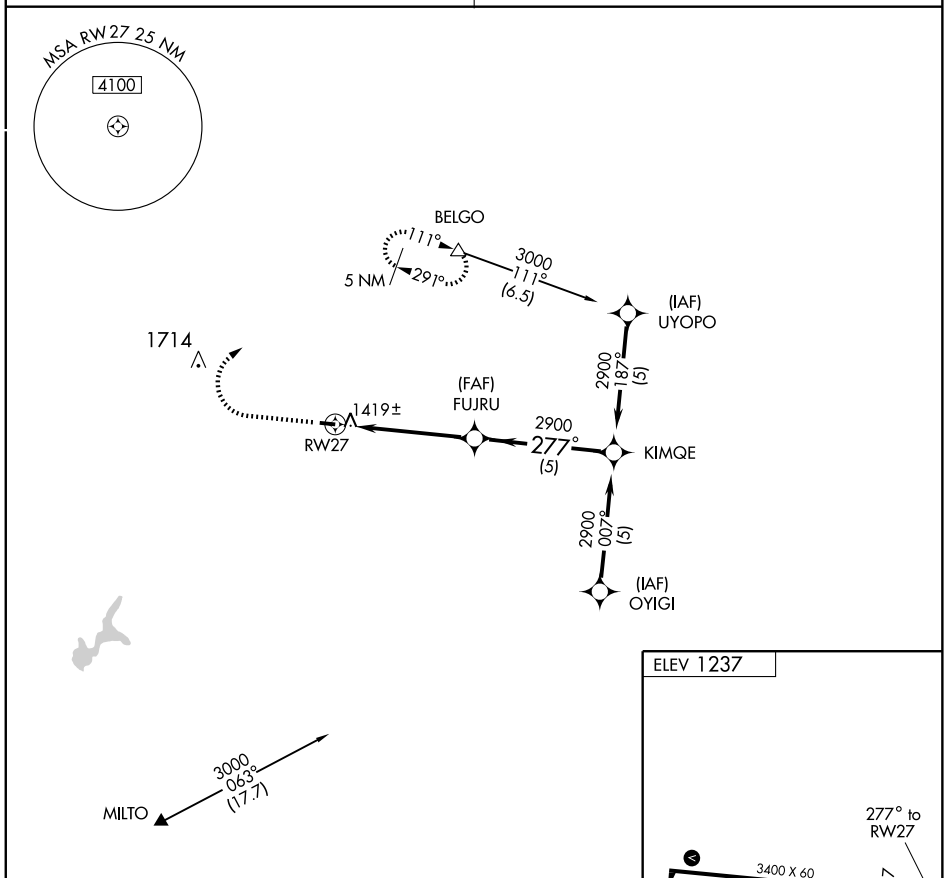
APP CRS	Rwy ldg	3400
277°	TDZE	1237
	Apt Elev	1237

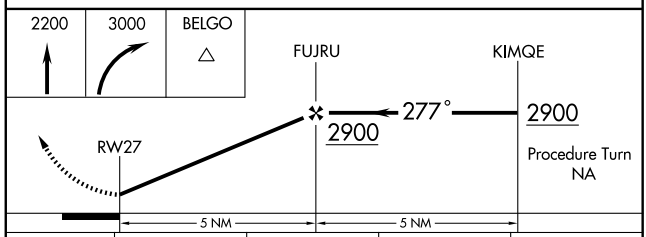
GPS RWY 27
NEILLSVILLE MUNI (VIQ)

NA Use Marshfield altimeter setting.

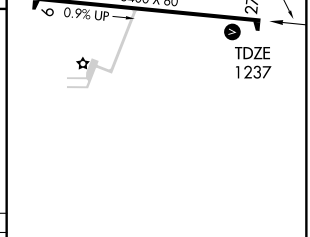
MISSED APPROACH: Climb to 2200, then climbing right turn to 3000 direct BELGO WP and hold.

MINNEAPOLIS CENTER	UNICOM
124.4 317.7	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-27	1720-1 483 (500-1)		NA	
CIRCLING	1760-1 523 (600-1)		NA	



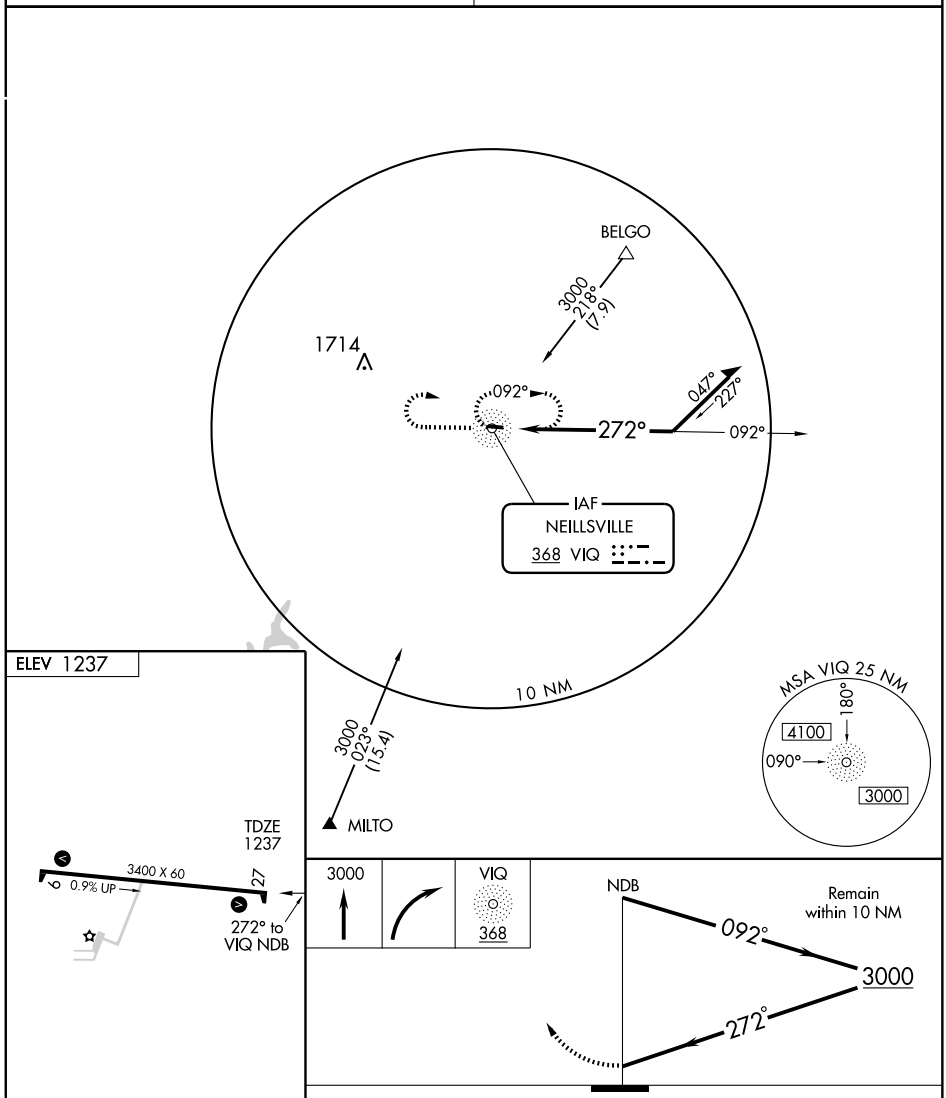
LIRL Rwy 9-27 L

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB VIQ	APP CRS	Rwy ldg	3400
368	272°	TDZE	1237
		Apt Elev	1237

NDB RWY 27
NEILLSVILLE MUNI (VIQ)

⚠ NA Use Marshfield altimeter setting.	MISSED APPROACH: Climb to 3000 then right turn direct VIQ NDB and hold.
MINNEAPOLIS CENTER **124.4 317.7**	UNICOM **122.8** (CTAF) L



CATEGORY	A	B	C	D
S-27	1840-1	603 (700-1)	NA	
S-CIRCLING	1840-1	603 (700-1)	NA	

LIRL Rwy 9-27 L

EC-3. 14 JAN 2010 to 11 FEB 2010

VORTAC OSH	APP CRS	Rwy ldg	N/A
111.8	096°	TDZE	N/A
Chan 55		Apt Elev	992

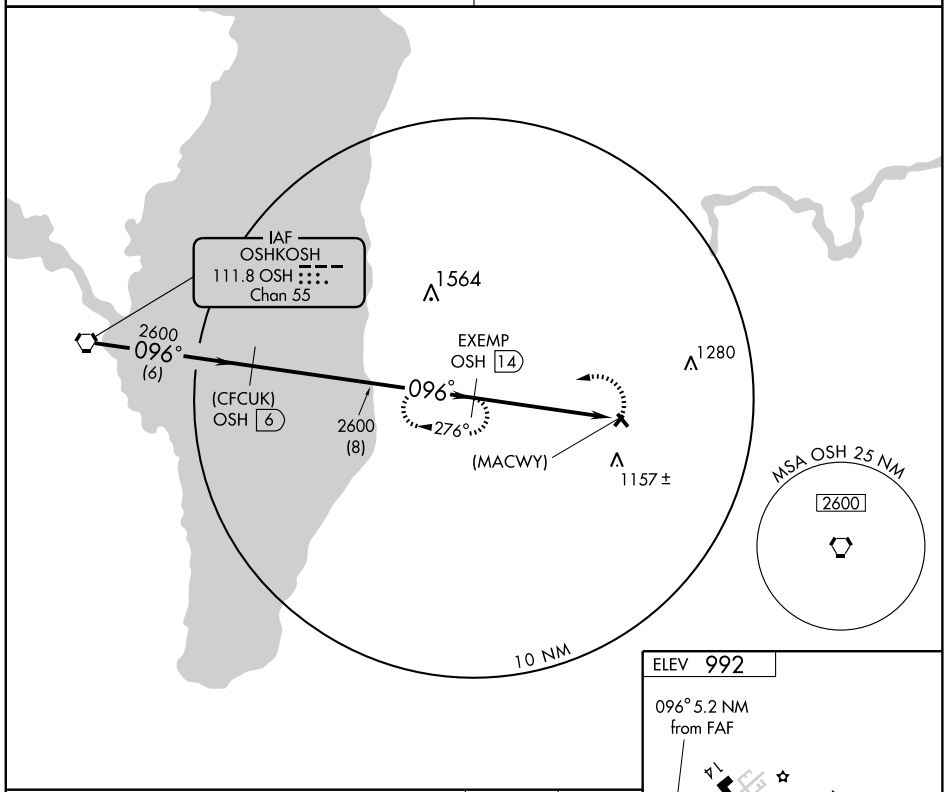
VOR/DME or GPS-A

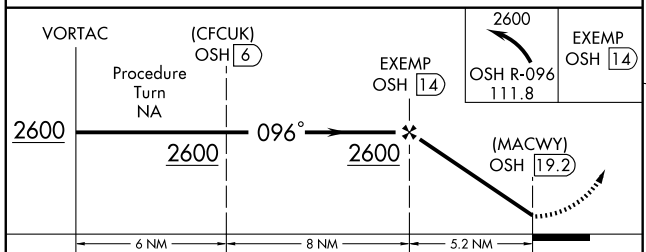
NEW HOLSTEIN MUNI (8D1)

NA Use Oshkosh altimeter setting; when not available, use Green Bay altimeter setting. Circling NA to Rwy 4-22.

MISSED APPROACH: Climbing left turn to 2600 via OSH R-096 to EXEMP 14 DME and hold.

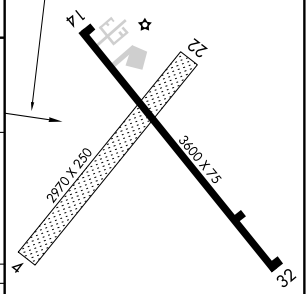
MILWAUKEE APP CON	UNICOM
127.0 263.075	123.0 (CTAF) L





ELEV 992

096° 5.2 NM from FAF



REIL Rwys 14 and 32 L
MIRL Rwy 14-32 L

CATEGORY	A	B	C	D
CIRCLING	1520-1 528 (600-1)	1560-1 568 (600-1)	1560-1½ 568 (600-1½)	NA
GREEN BAY ALTIMETER SETTING MINIMUMS				
CIRCLING	1580-1 588 (600-1)	1620-1 628 (700-1)	1620-1½ 628 (700-1½)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3686
321°	TDZE	903
	Apt Elev	906

GPS RWY 32

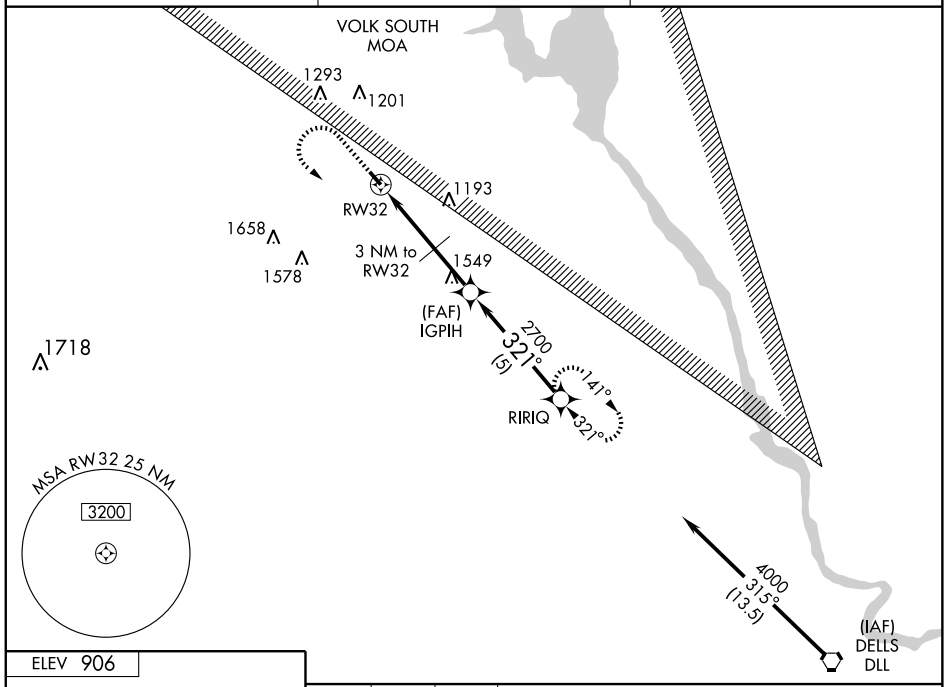
NEW LISBON/MAUSTON-NEW LISBON UNION (82C)

NA

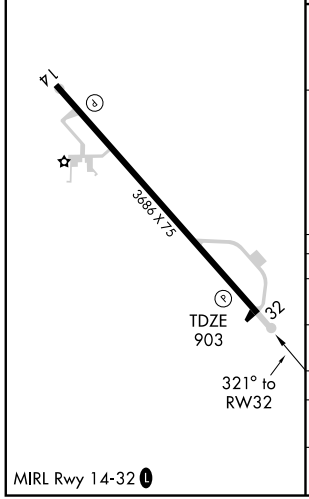
Use Volk Field altimeter setting; if not received use Wisconsin Dells altimeter setting.

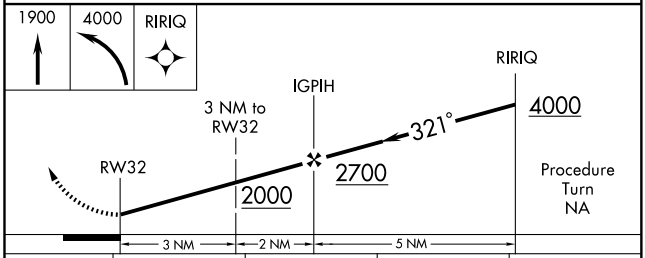
MISSED APPROACH: Climb to 1900, then climbing left turn to 4000 direct RIRIQ WP and hold.

VOLK APP CON ★	CTAF	122.8 L
123.8 291.7	122.9	



ELEV 906





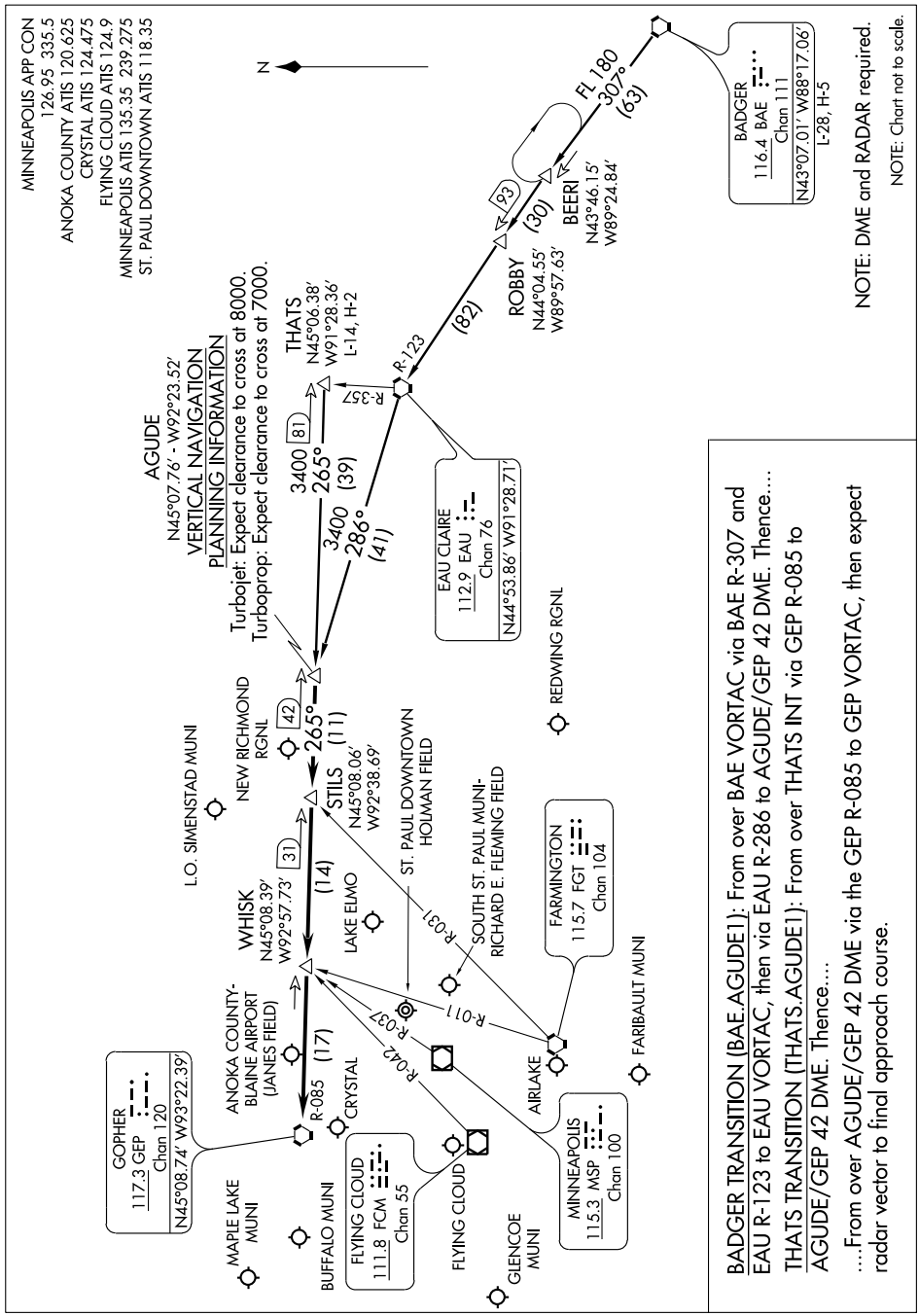
CATEGORY	A	B	C	D
S-32	1440-1 537 (600-1)		1440-1½ 537 (600-1½)	1440-1¾ 537 (600-1¾)
CIRCLING	1580-1 674 (700-1)		1580-2 674 (700-2)	1640-2¼ 734 (800-2¼)
WISCONSIN DELLS ALTIMETER SETTING MINIMUMS				
S-32	1500-1 597 (600-1)		1500-1½ 597 (600-1½)	1500-1¾ 597 (600-1¾)
CIRCLING	1620-1 714 (800-1)		1620-2 714 (800-2)	1700-2½ 794 (800-2½)

MIRL Rwy 14-32 L

AGUDE ONE ARRIVAL

ST-263 (FAA)

MINNEAPOLIS-ST. PAUL, MINNESOTA



NDB RNH	APP CRS	Rwy ldg	5507
257	134°	TDZE	997
		Apt Elev	997

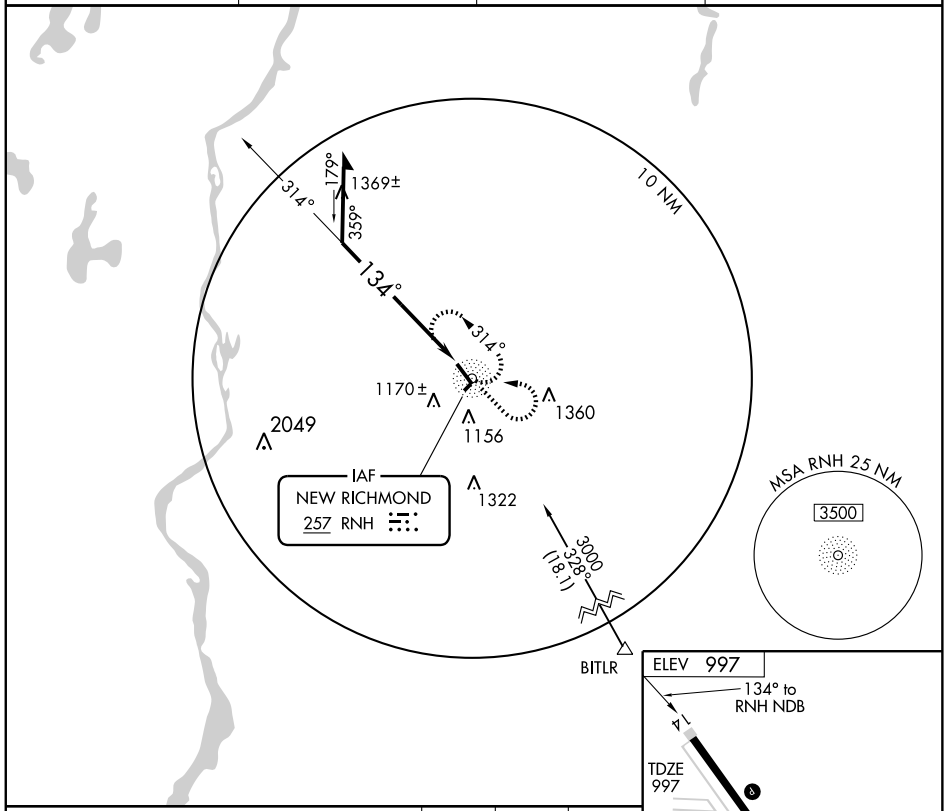
NDB RWY 14
NEW RICHMOND RGNL (RNH)

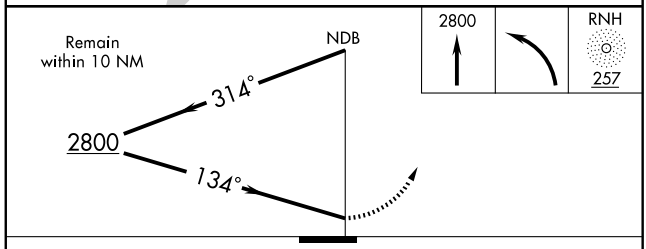
When local altimeter setting not received, use Osceola altimeter setting and increase all MDAs 40 feet and Cat. B, C and D visibilities ¼ mile.

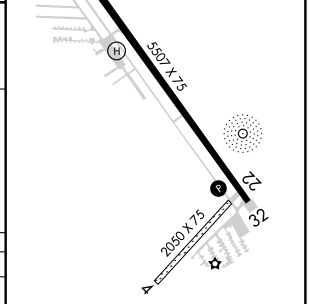
NA

MISSED APPROACH: Climb to 2800 then left turn direct RNH NDB and hold.

AWOS-3	MINNEAPOLIS APP CON	GCO	UNICOM
120.0	121.2 357.4	121.725	122.975 (CTAF) L







MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L

CATEGORY	A	B	C	D
S-14	1720-1	723 (800-1)	1720-2 723 (800-2)	1720-2¼ 723 (800-2¼)
CIRCLING	1720-1	723 (800-1)	1720-2 723 (800-2)	1720-2¼ 723 (800-2¼)

EC-3. 14 JAN 2010 to 11 FEB 2010

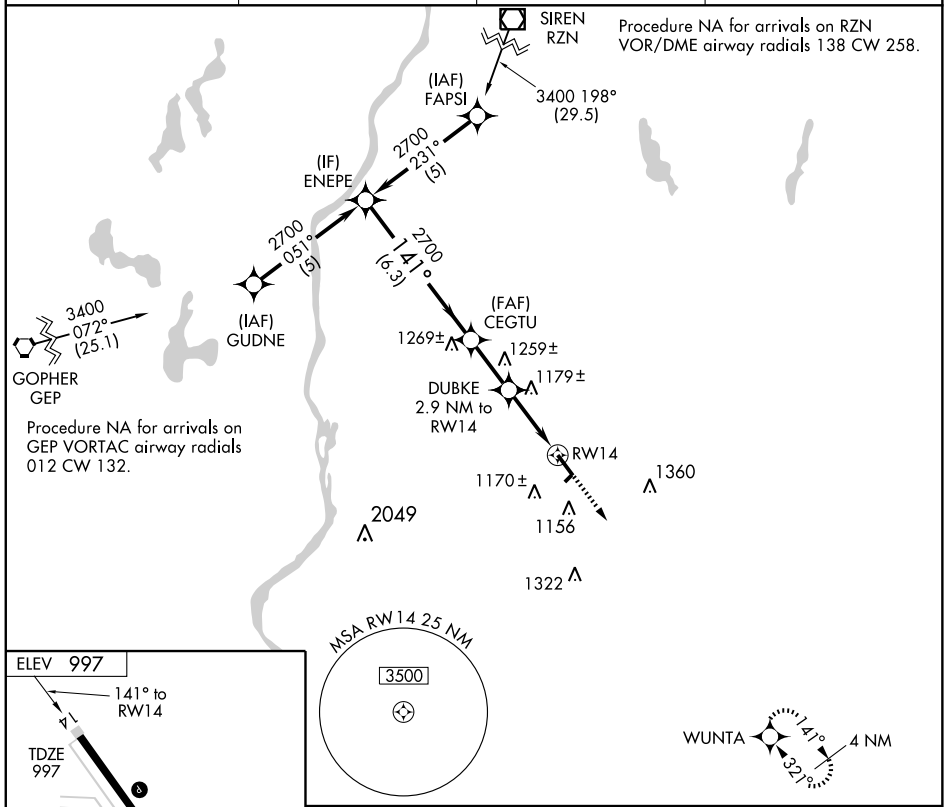
APP CRS	Rwy ldg	5507
141°	TDZE	997
	Apt Elev	997

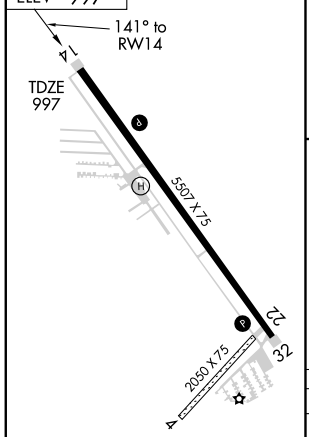
RNAV (GPS) RWY 14
NEW RICHMOND RGNL (RNH)

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Osceola altimeter setting and increase all MDAs 40 feet.

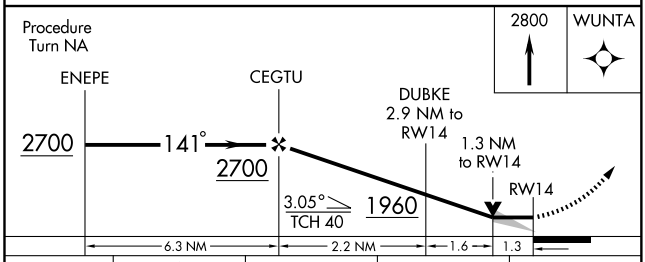
MISSED APPROACH: Climb to 2800 direct WUNTA and hold.

AWOS-3	MINNEAPOLIS APP CON	GCO	UNICOM
120.0	121.2 357.4	121.725	122.975 (CTAF) L





MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L



CATEGORY	A	B	C	D
LNAV MDA	1440-1 443 (500-1)		1440-1¼ 443 (500-1¼)	1440-1½ 443 (500-1½)
CIRCLING	1520-1 523 (600-1)		1520-1½ 523 (600-1½)	1560-2 563 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

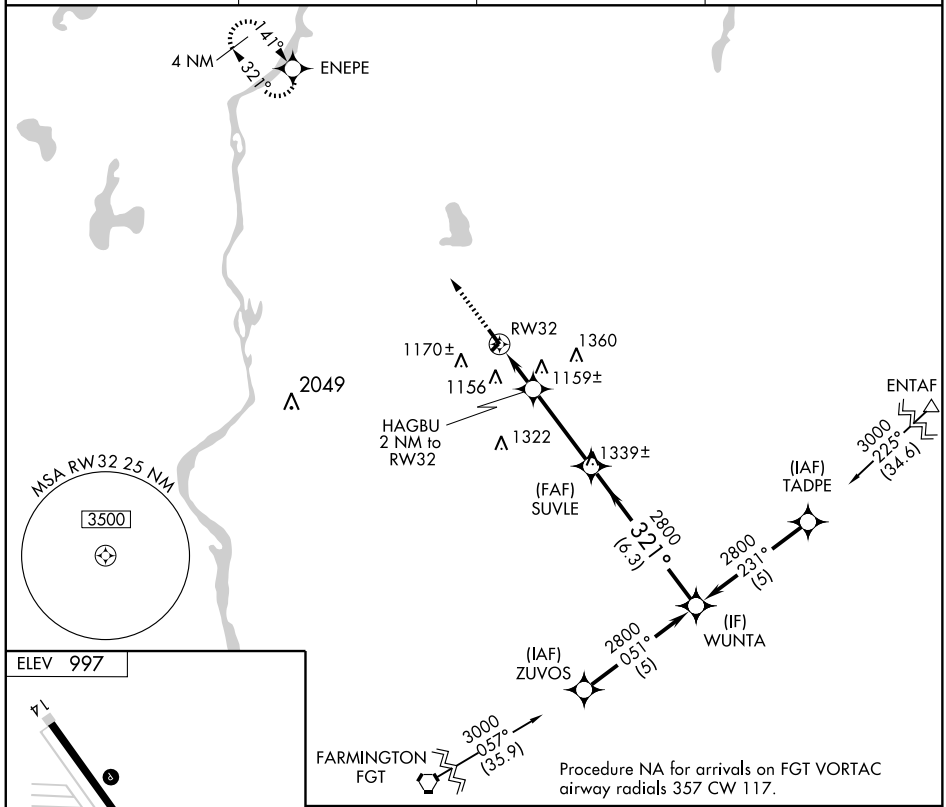
APP CRS	Rwy ldg	5507
321°	TDZE	996
	Apt Elev	997

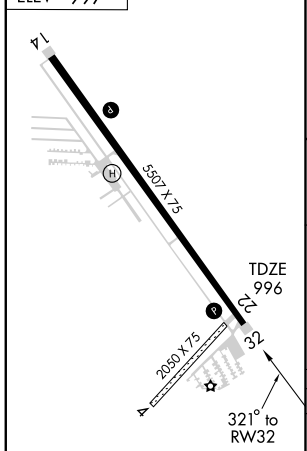
RNAV (GPS) RWY 32
NEW RICHMOND RGNL (RNH)

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Osceola altimeter setting and increase all MDAs 40 feet and Cat D LNAV visibility ¼ mile.

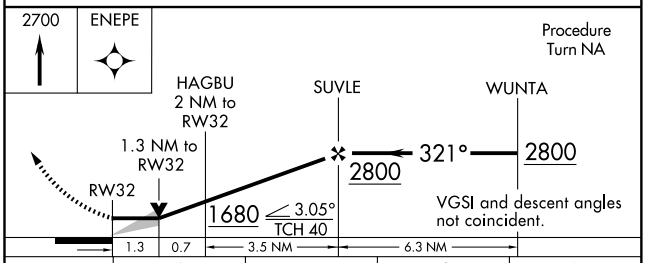
MISSED APPROACH: Climb to 2700 direct ENEPE and hold.

AWOS-3	MINNEAPOLIS APP CON	GCO	UNICOM
120.0	121.2 357.4	121.725	122.975 (CTAF) L





MIRL Rwy 14-32 L
REIL Rwys 14 and 32 L



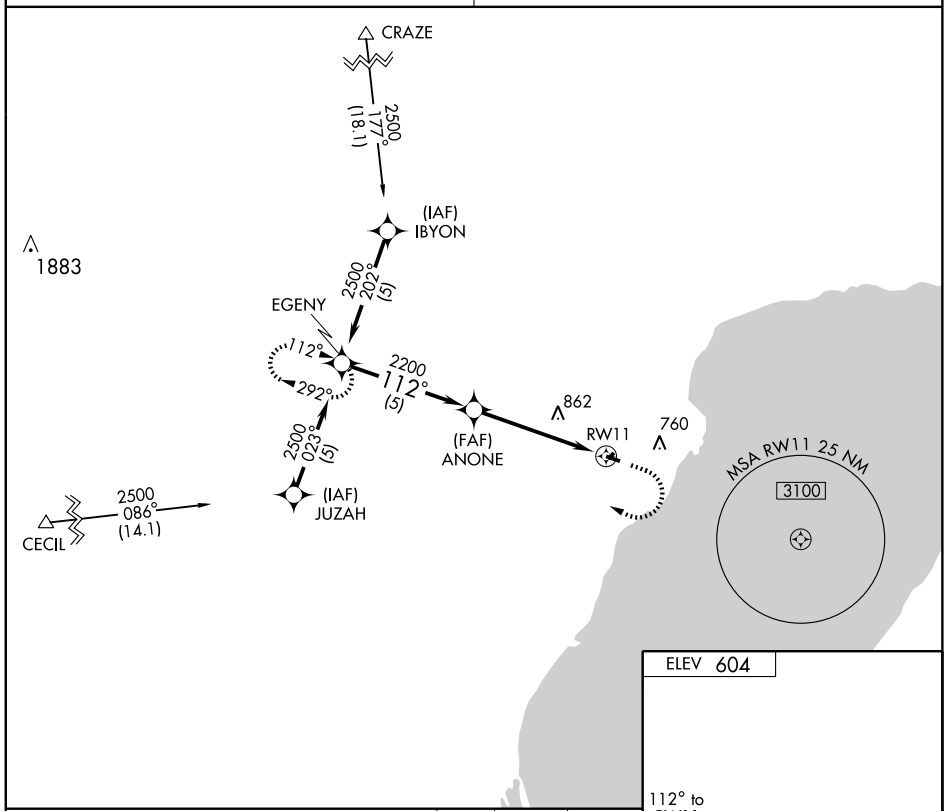
CATEGORY	A	B	C	D
LNAV MDA	1420-1 424 (500-1)		1420-1¼ 424 (500-1¼)	
CIRCLING	1520-1 523 (600-1)		1520-1½ 523 (600-1½)	1560-2 563 (600-2)

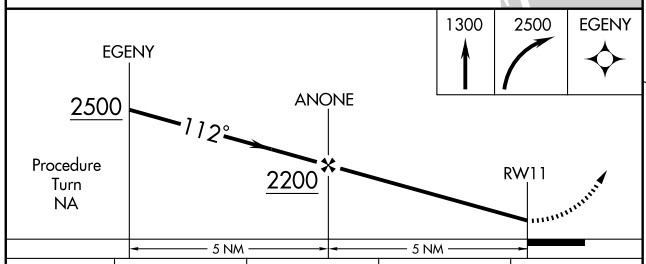
EC-3. 14 JAN 2010 to 11 FEB 2010

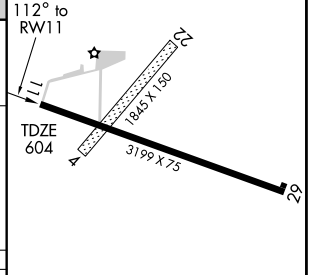
APP CRS	Rwy ldg	3199
112°	TDZE	604
	Apt Elev	604

GPS RWY 11
OCONTO/J. DOUGLAS BAKE MEMORIAL (OCQ)

▲ NA Use Green Bay altimeter setting.	MISSED APPROACH: Climb to 1300 then climbing right turn to 2500 direct EGENY WP and hold.
GREEN BAY APP CON ★ **119.5 338.2**	UNICOM **122.8** (CTAF) Ⓛ







CATEGORY	A	B	C	D
S-11	1200-1	596 (600-1)	1200-1½ 596 (600-1½)	NA
CIRCLING	1200-1	596 (600-1)	1200-1½ 596 (600-1½)	NA

REIL Rwy 11
MIRL Rwy 11-29 Ⓛ

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB OCQ	APP CRS	Rwy ldg	3199
388	301°	TDZE	604
		Apt Elev	604

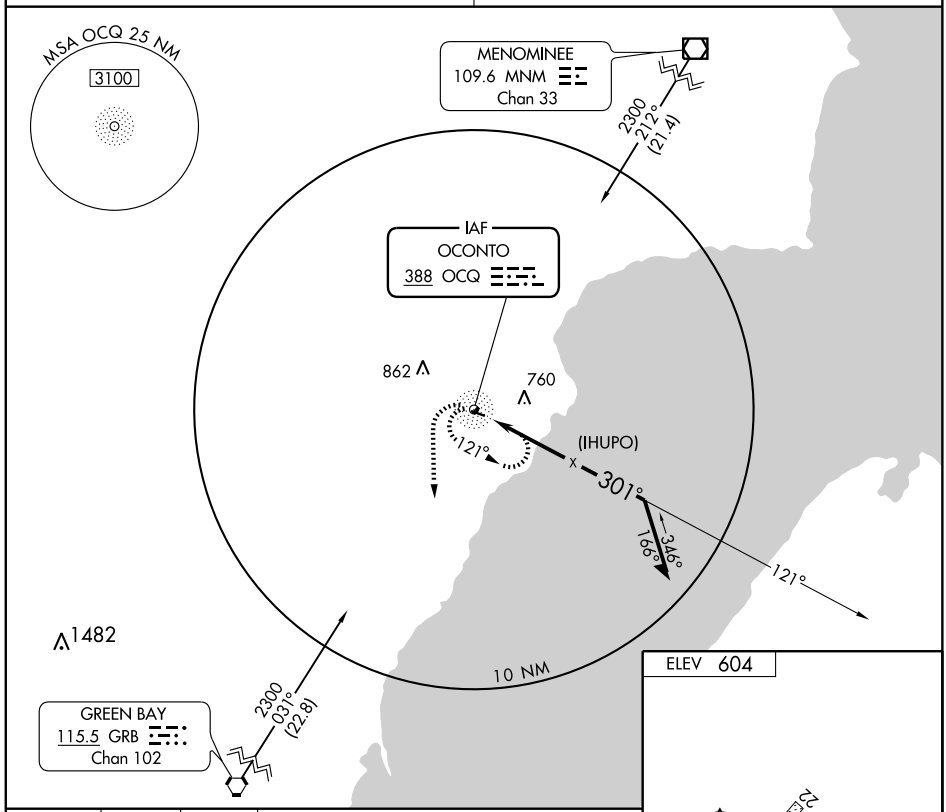
NDB or GPS RWY 29
OCONTO/J. DOUGLAS BAKE MEMORIAL (OCQ)

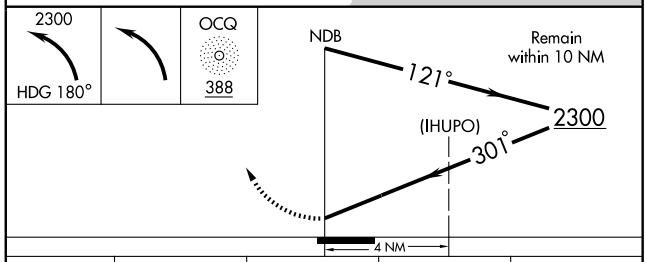
NA Use Green Bay altimeter setting.

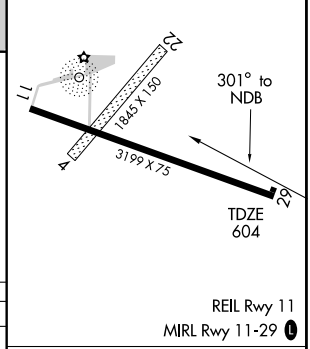
MISSED APPROACH: Climbing left turn to 2300 via heading 180° then left turn direct OCQ NDB and hold.

GREEN BAY APP CON ★
119.5 338.2

UNICOM
122.8 (CTAF) L







CATEGORY	A	B	C	D
S-29	1240-1 636 (700-1)		1240-1¾ 636 (700-1¾)	NA
CIRCLING	1240-1 636 (700-1)		1240-1¾ 636 (700-1¾)	NA

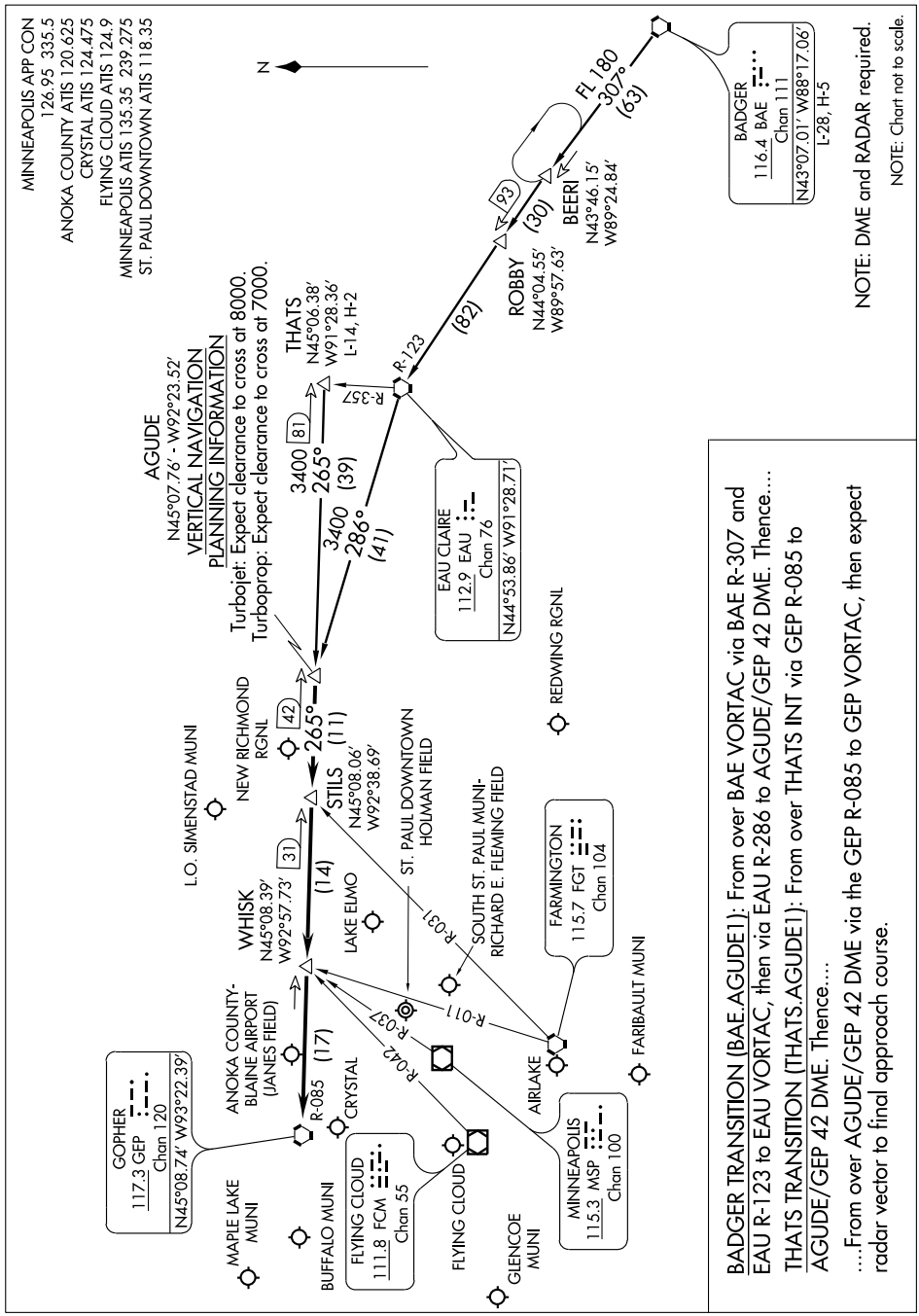
Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

AGUDE ONE ARRIVAL

ST-263 (FAA)

MINNEAPOLIS-ST. PAUL, MINNESOTA



APP CRS	Rwy ldg	5005
283°	TDZE	906
	Apt Elev	906

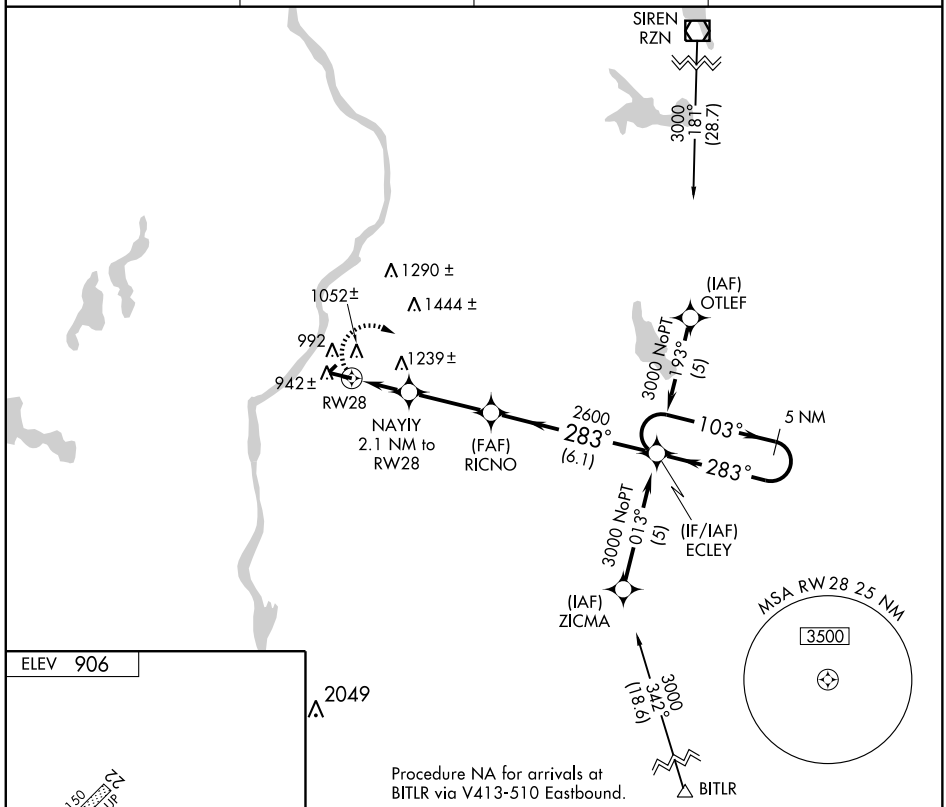
RNAV (GPS) RWY 28

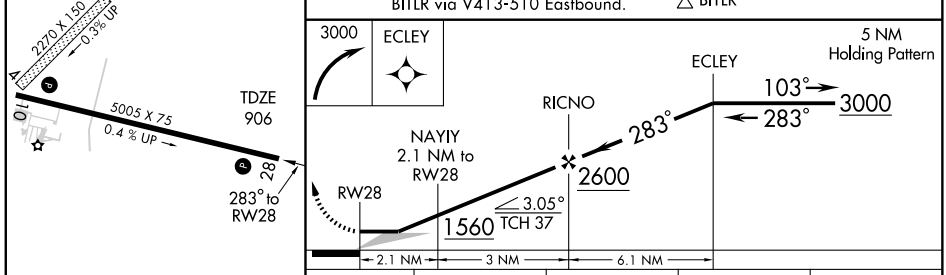
OSCEOLA/ L.O. SIMENSTAD MUNI (OEO)

If local altimeter setting not received, use Anoka County-Blaine Arpt (Janes Field) altimeter setting and increase all MDAs 60 feet. Circling to Rwy 04-22 NA at night. DME/DME PNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 3000 direct ECLEY and hold.

AWOS-3	MINNEAPOLIS APP CON	GCO	CTAF
119.925	121.2	121.725	122.9 L





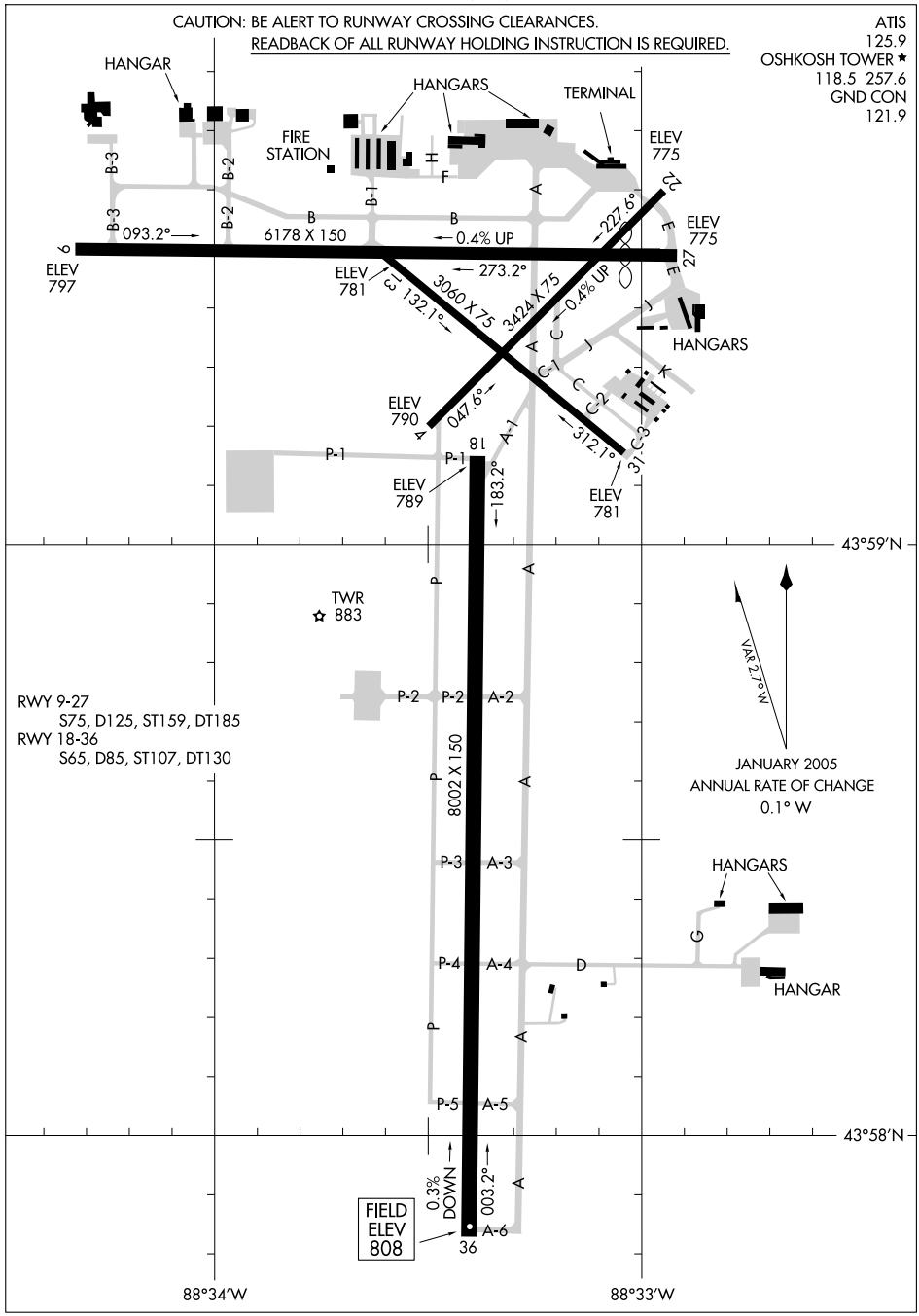
CATEGORY	A	B	C	D
LNAV MDA	1480-1 574 (600-1)		1480-1½ 574 (600-1½)	NA
CIRCLING	1480-1 574 (600-1)		1500-1½ 594 (600-1½)	NA

REIL Rwy 28 L
MIRL Rwys 10 and 28 L

AIRPORT DIAGRAM

AL-730 (FAA)

OSHKOSH/ WITTMAN RGNL (OSH)
OSHKOSH, WISCONSIN



EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-OSH	APP CRS	Rwy ldg	8002
110.5	359°	TDZE	808
		Apt Elev	808

ILS or LOC RWY 36

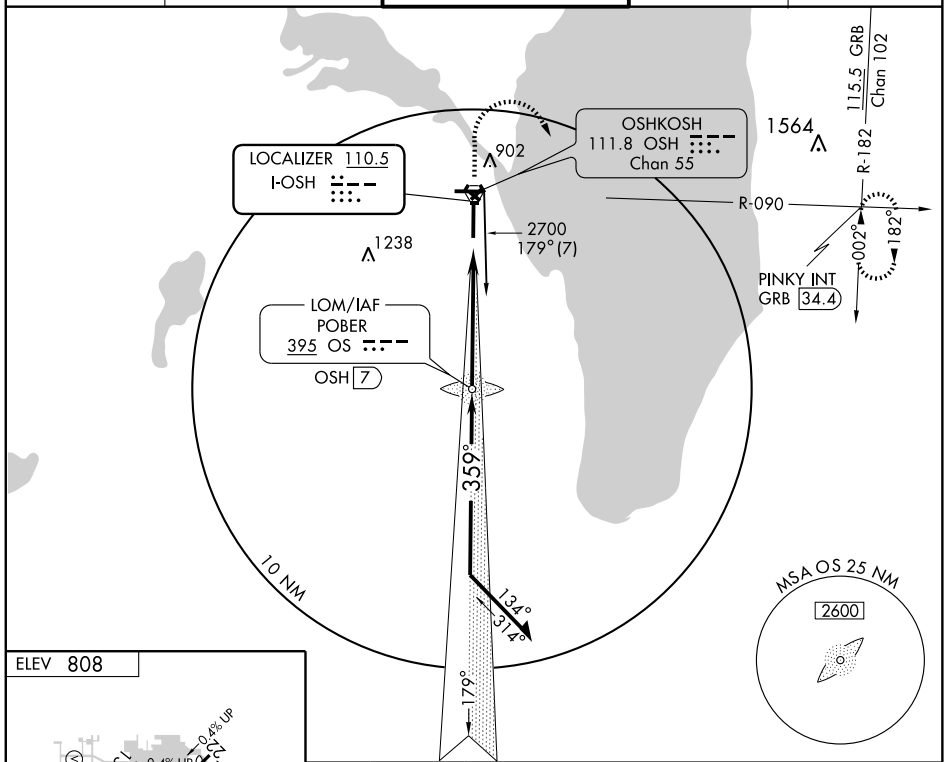
OSHKOSH/ WITTMAN RGNL (OSH)

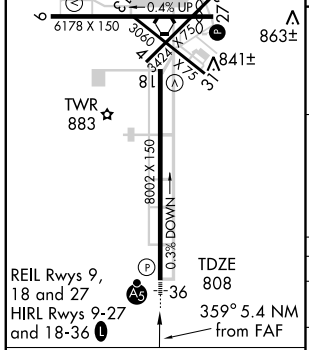
* RVR 1800 authorized with the use of FD or AP or HUD to DA.

MALSR

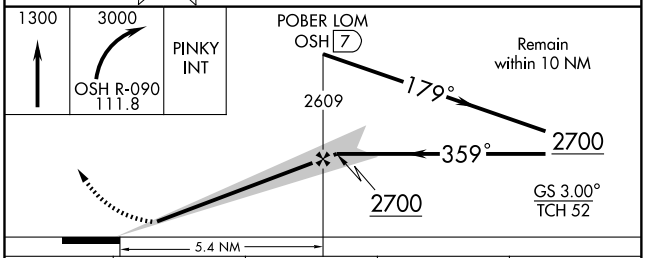
MISSED APPROACH: Climb to 1300 then climbing right turn to 3000 via OSH R-090 to PINKY Int and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER *	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) 257.6	121.9	122.95





FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48



CATEGORY	A	B	C	D
S-ILS 36	*1008/24 200 (200-½)			
S-LOC 36	1240/24 432 (500-½)		1240/40 432 (500-¾)	1240/50 432 (500-1)
CIRCLING	1260-1 452 (500-1)		1260-1½ 452 (500-1½)	1360-2 552 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-OSH	APP CRS	Rwy ldg	8002
110.5	179°	TDZE	793
		Apt Elev	808

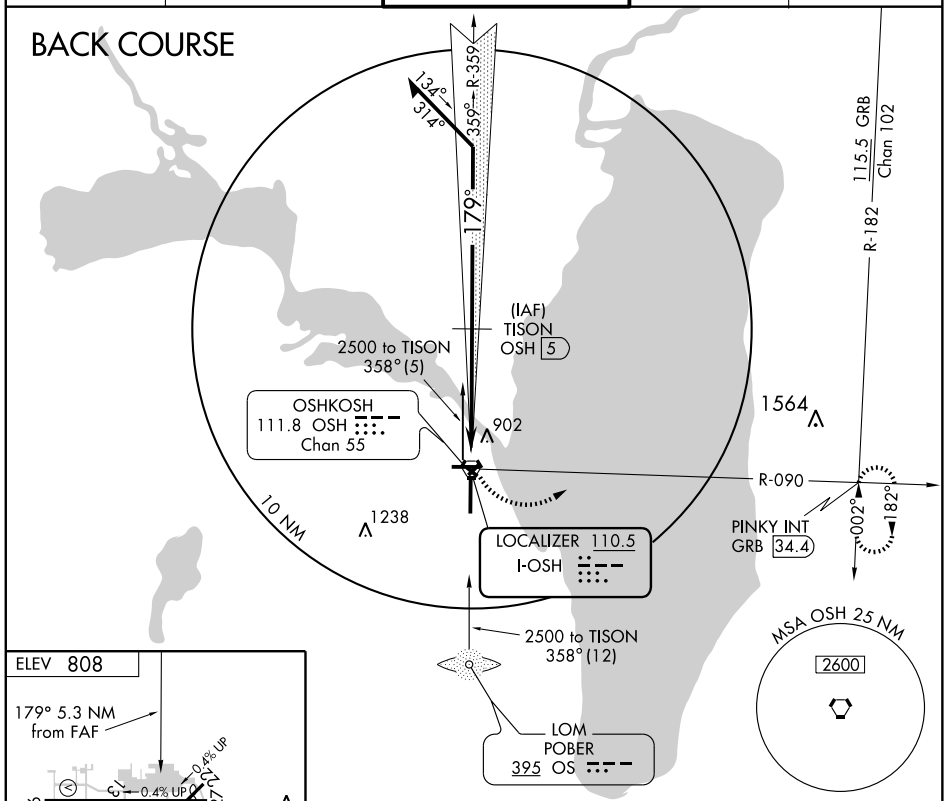
LOC/DME BC RWY 18

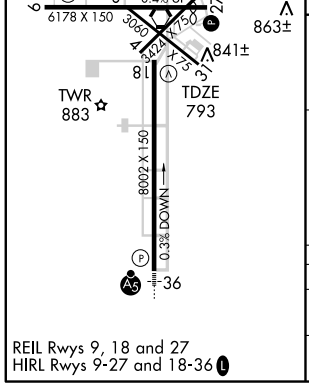
OSHKOSH/WITTMAN RGNL (OSH)

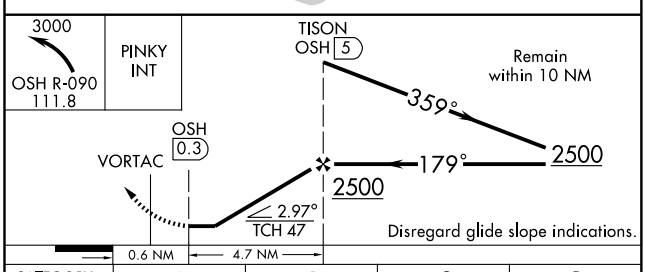
Simultaneous reception of I-OSH and OSH DME required. DME from OSH VORTAC.

MISSED APPROACH: Climbing left turn to 3000 via OSH R-090 to PINKY Int and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95







CATEGORY	A	B	C	D
S-18	1160-1 367 (400-1)			1160-1¼ 367 (400-1¼)
CIRCLING	1260-1 452 (500-1)		1260-1½ 452 (500-1½)	1360-2 552 (600-2)

REIL Rwys 9, 18 and 27
HIRL Rwys 9-27 and 18-36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

LOM OS	APP CRS	Rwy ldg	8002
395	359°	TDZE	808
		Apt Elev	808

NDB RWY 36

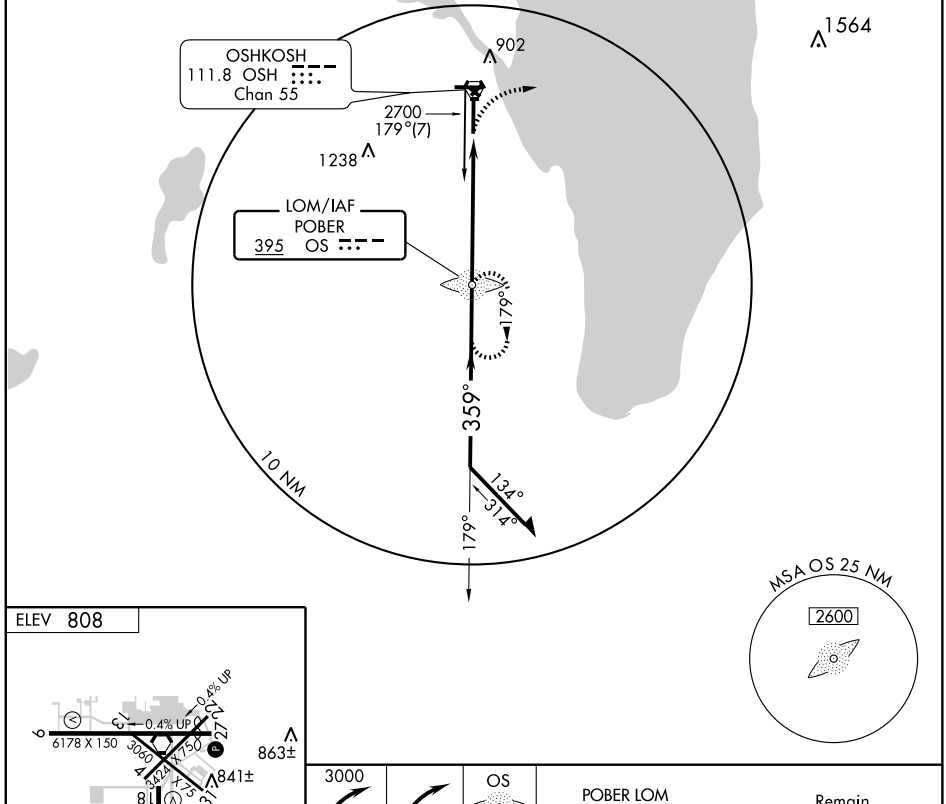
OSHKOSH/WITTMAN RGNL (OSH)

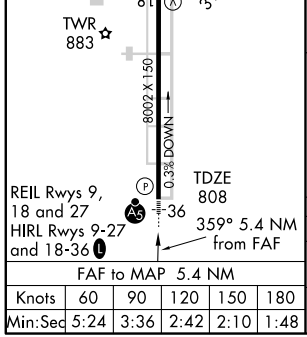
T
A NA

MALSR

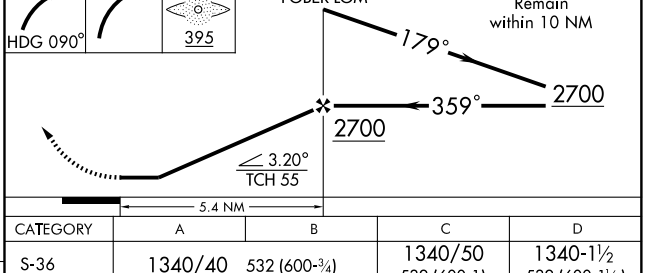
MISSED APPROACH: Climbing right turn to 3000 via 090° heading, then right turn direct OS LOM and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95





FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48



CATEGORY	A	B	C	D
S-36	1340/40	532 (600-¾)	1340/50 532 (600-1)	1340-1½ 532 (600-1½)
CIRCLING	1340-1	532 (600-1)	1340-1½ 532 (600-1½)	1360-2 552 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6178
089°	TDZE	797
	Apt Elev	808

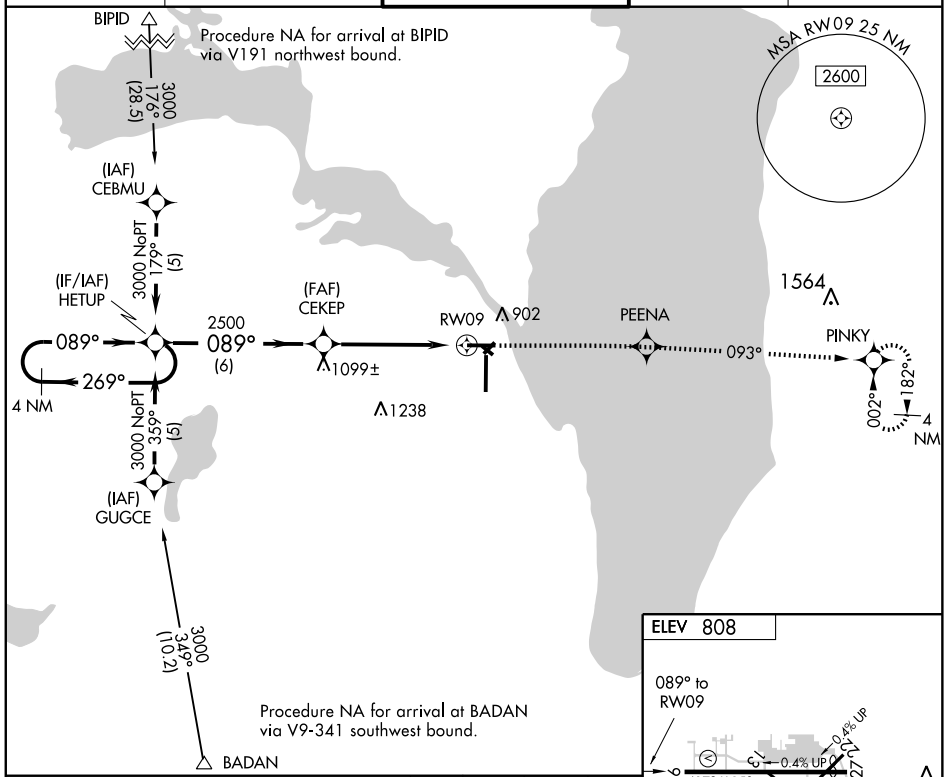
RNAV (GPS) RWY 9

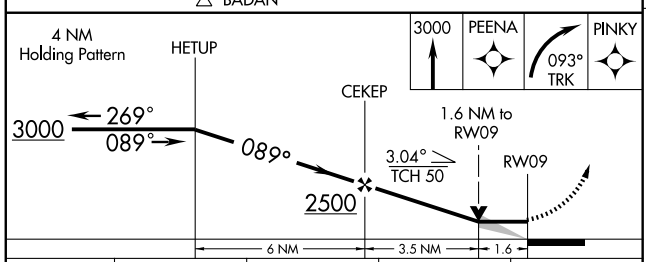
OSHKOSH/ WITTMAN RGNL (OSH)

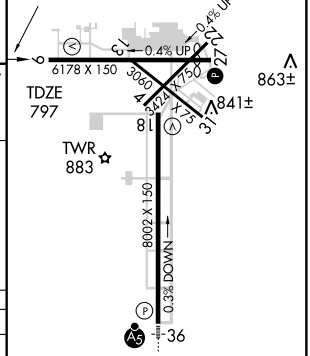
When local altimeter setting not received, use Fond Du Lac County altimeter setting and increase all MDA 40 feet, increase S-9 visibility Cat. C and Cat. D ¼ mile and circling Cat. C ¼ mile. VDP NA when using Fond Du Lac County altimeter setting. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct PEENA and right turn via 093° track to PINKY and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5(CTAF)(L) 257.6	121.9	122.95







CATEGORY	A	B	C	D
LNAV MDA	1360-1 563 (600-1)		1360-1½ 563 (600-1½)	1360-1¾ 563 (600-1¾)
CIRCLING	1360-1 552 (600-1)		1360-1½ 552 (600-1½)	1360-2 552 (600-2)

REIL Rwys 9, 18, and 27
HIRL Rwys 9-27, and 18-36 (L)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	8002
180°	TDZE	793
	Apt Elev	808

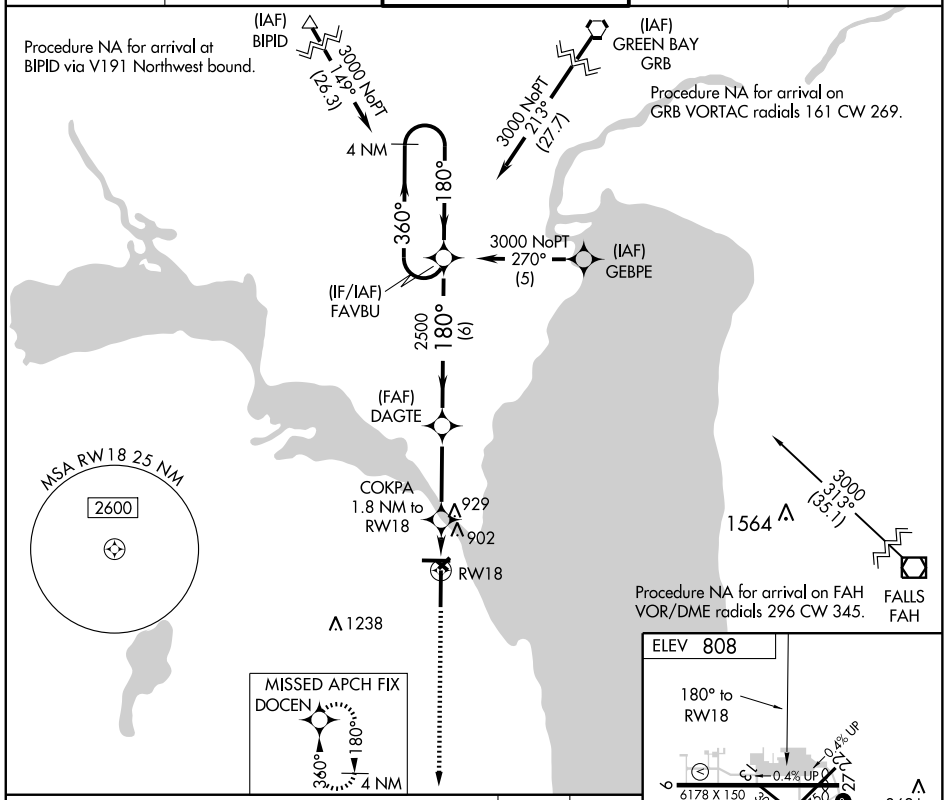
RNAV (GPS) RWY 18

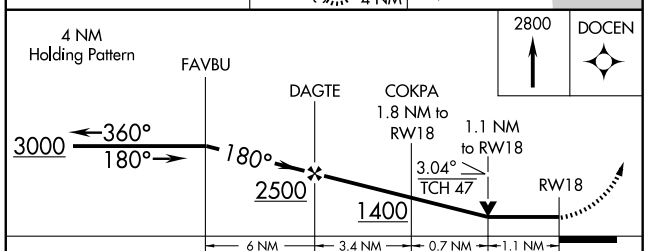
OSHKOSH/ WITTMAN RGNL (OSH)

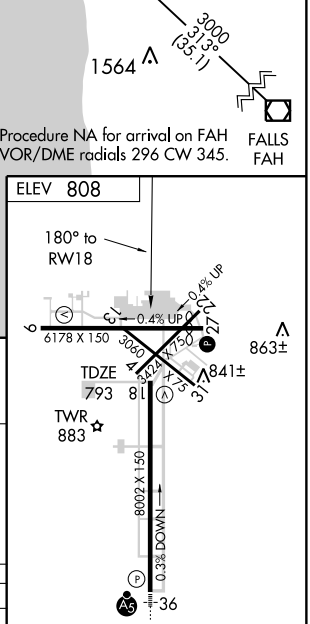
When local altimeter setting not received, use Fond Du Lac County altimeter setting and increase all MDAs 40 feet, and increase LNAV visibility Cat. C and D ¼ mile. VDP NA when using Fond Du Lac County altimeter setting. Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2800 direct DOCEN and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95







CATEGORY	A	B	C	D
LNAV MDA	1180-1 387 (400-1)			1180-1¼ 387 (400-1¼)
CIRCLING	1280-1 472 (500-1)		1300-1½ 492 (500-1½)	1360-2 552 (600-2)

REIL Rwys 9, 18, and 27
HIRL Rwys 9-27, and 18-36 L

EC-3. 14 JAN 2010 to 11 FEB 2010

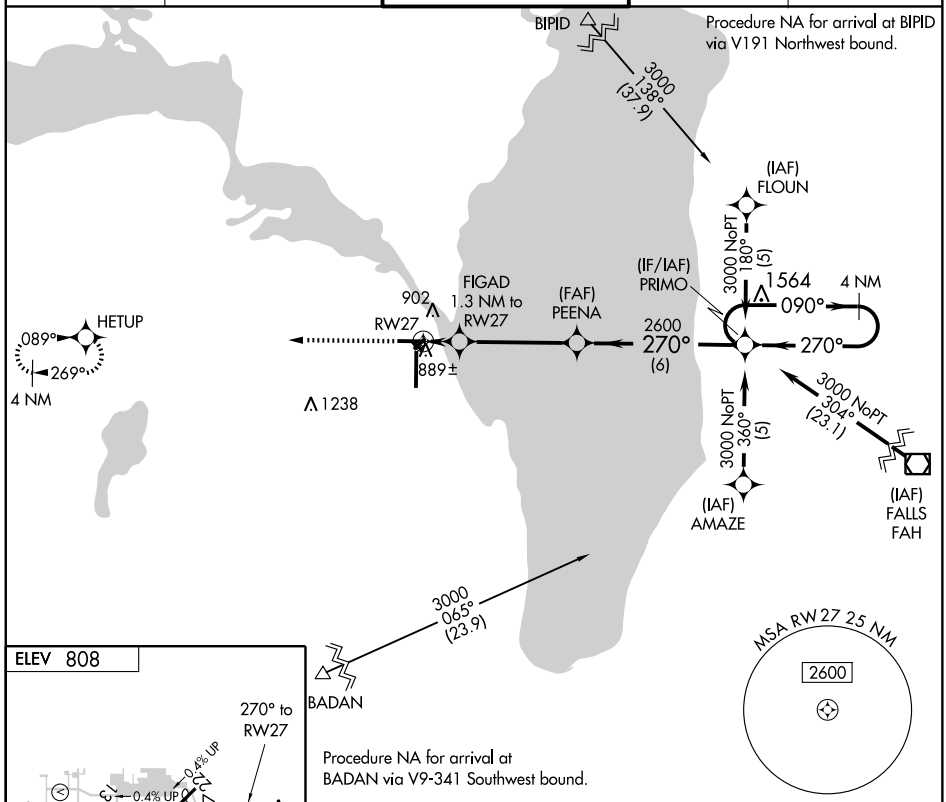
APP CRS	Rwy ldg	5647
270°	TDZE	782
	Apt Elev	808

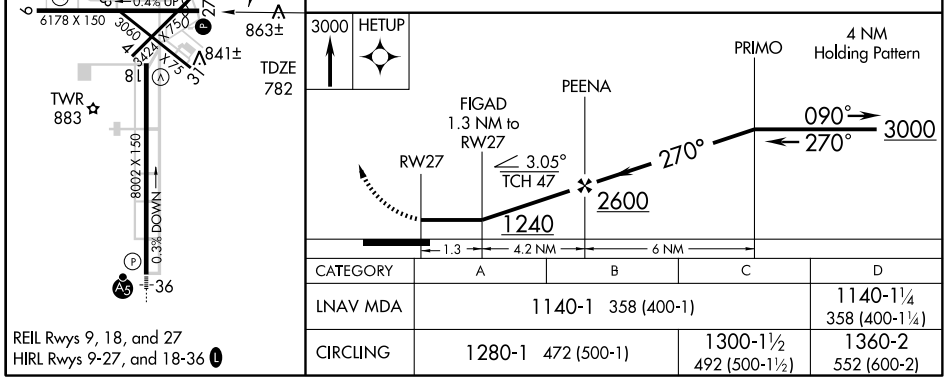
RNAV (GPS) RWY 27
OSHKOSH/ WITTMAN RGNL (OSH)

When local altimeter setting not received, use Fond Du Lac County altimeter setting and increase all MDAs 40 feet. Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct HETUP and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95





CATEGORY	A	B	C	D
LNAV MDA	1140-1 358 (400-1)			1140-1¼ 358 (400-1¼)
CIRCLING	1280-1 472 (500-1)		1300-1½ 492 (500-1½)	1360-2 552 (600-2)

REIL Rwys 9, 18, and 27
HIRL Rwys 9-27, and 18-36 L

WAAS CH 65602 W36A	APP CRS 360°	Rwy ldg 8002 TDZE 808 Apt Elev 808

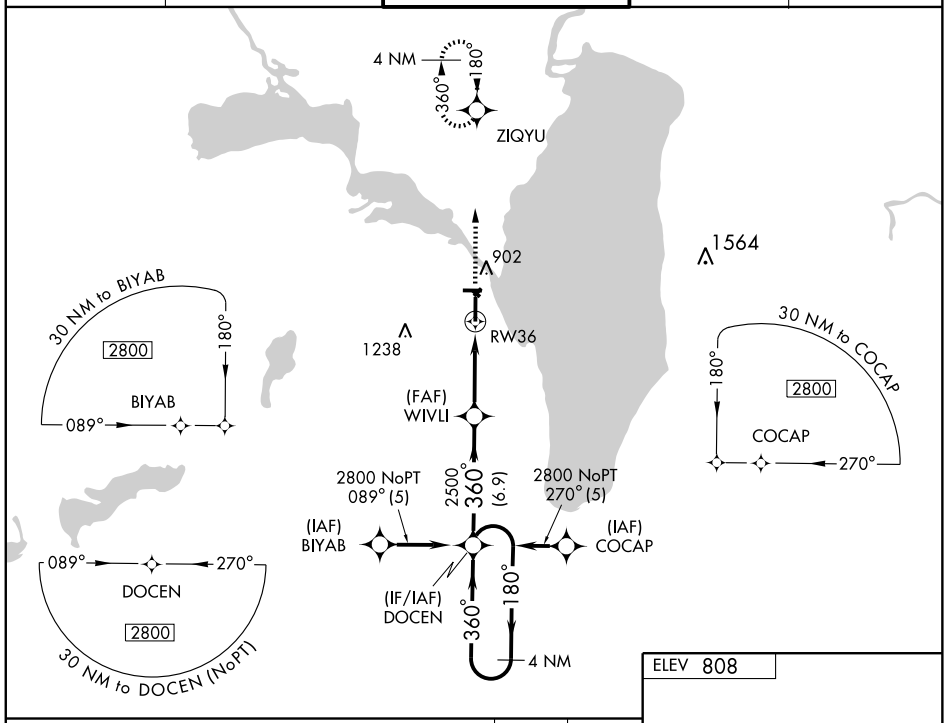
RNAV (GPS) RWY 36
OSHKOSH/WITTMAN RGNL (OSH)

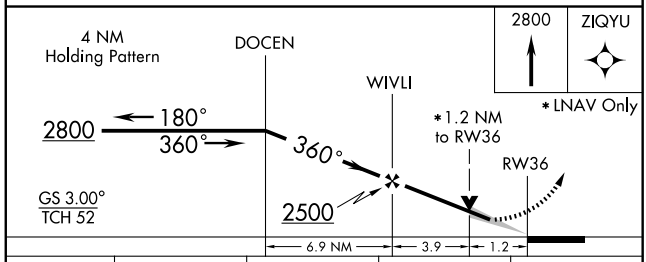
Baro-VNAV NA below -16° C (4° F).
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MALSR

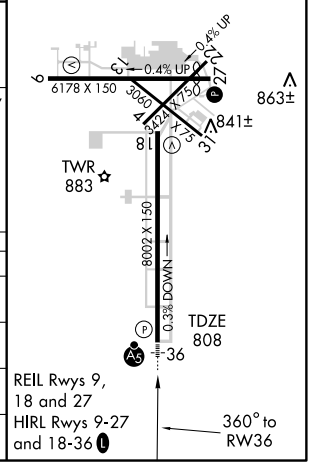
MISSED APPROACH: Climb to 2800 direct ZIQYU and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95





CATEGORY	A	B	C	D
LPV DA	1110/24 302 (400-½)			
LNAV/VNAV DA	1160/40 352 (400-¾)			
LNAV MDA	1240/24 432 (500-½)		1240/40 432 (500-¾)	1240/50 432 (500-1)
CIRCLING	1260-1¼ 452 (500-1¼)		1260-1½ 452 (500-1½)	1360-2 552 (600-2)



EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC OSH	APP CRS	Rwy ldg	6178
111.8	090°	TDZE	797
Chan 55		Apt Elev	808

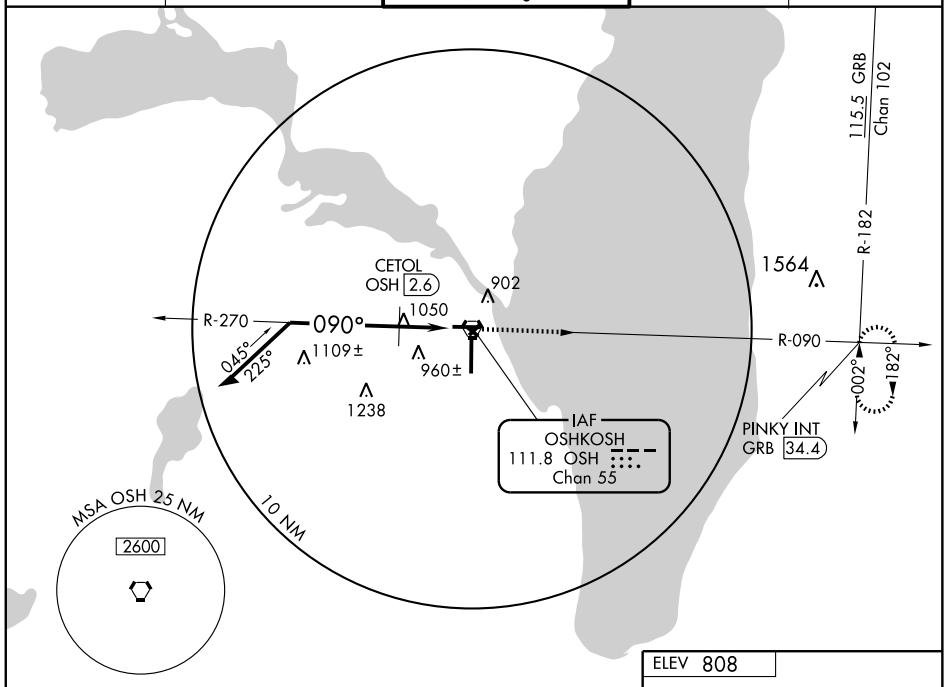
VOR RWY 9

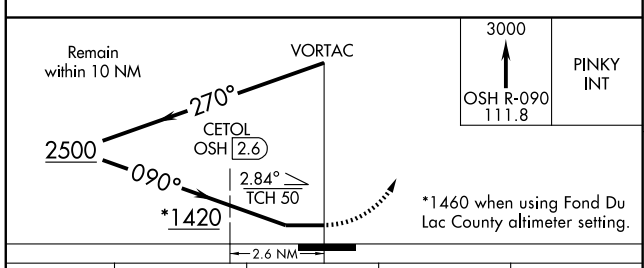
OSHKOSH/ WITTMAN RGNL (OSH)

When local altimeter setting not received, use Fond Du Lac County altimeter setting and increase all MDAs 40 feet and CETOL fix minimums visibility Cat. C and D ¼ mile and circling Cat. C ¼ mile.

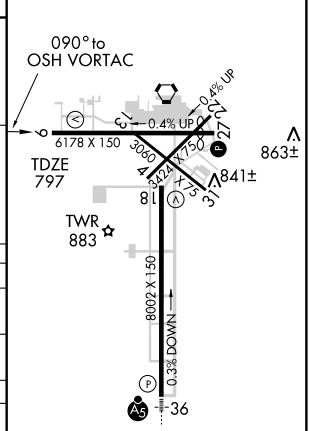
MISSED APPROACH: Climb to 3000 via OSH VORTAC R-090 to PINKY Int/GRB 34.4 DME and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95





*1460 when using Fond Du Lac County altimeter setting.



REIL Rwys 9, 18 and 27
HIRL Rwys 9-27 and 18-36 L

CATEGORY	A	B	C	D
S-9	1420-1	623 (700-1)	1420-1¾ 623 (700-1¾)	1420-2 623 (700-2)
CIRCLING	1420-1	612 (700-1)	1420-1¾ 612 (700-1¾)	1420-2 612 (700-2)
CETOL FIX MINIMUMS				
S-9	1360-1	563 (600-1)	1360-1½ 563 (600-1½)	1360-1¾ 563 (600-1¾)
CIRCLING	1360-1	552 (600-1)	1360-1½ 552 (600-1½)	1360-2 552 (600-2)

VORTAC OSH	APP CRS	Rwy ldg	8002
111.8	186°	TDZE	793
Chan 55		Apt Elev	808

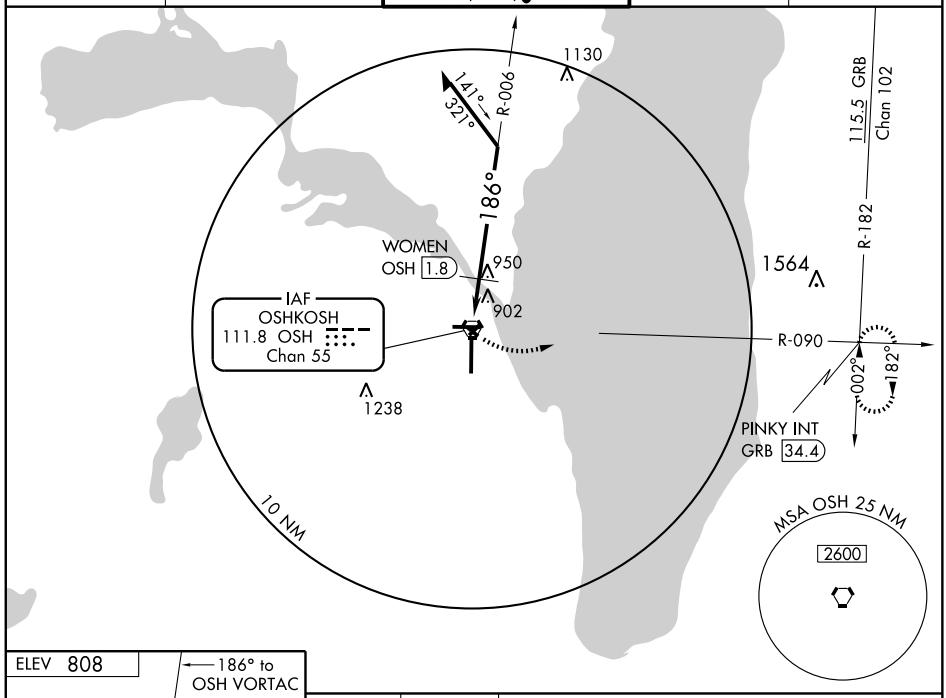
VOR RWY 18

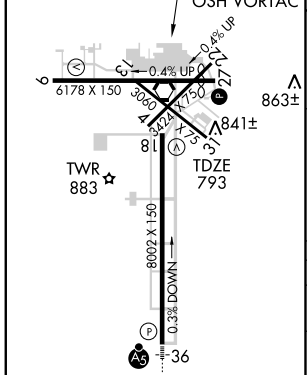
OSHKOSH/ WITTMAN RGNL (OSH)

Visibility reduction by helicopters NA. When local altimeter setting not received, use Fond Du Lac County altimeter setting and increase all MDAs 40 feet. Increase WOMEN S-18 Cat. C visibility ¼ mile. VDP NA when using Fond Du Lac County altimeter setting.

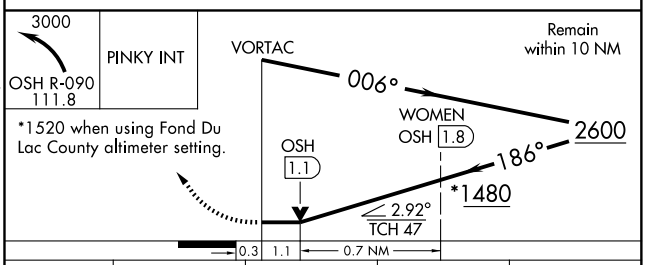
MISSED APPROACH: Climbing left turn to 3000 via OSH VORTAC R-090 to PINKY Int/GRB 34.4 DME and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95





REIL Rwys 9, 18 and 27
HIRL Rwys 9-27 and 18-36 L



*1520 when using Fond Du Lac County altimeter setting.

CATEGORY	A	B	C	D
S-18	1480-1 687 (700-1)		1480-2 687 (700-2)	1480-2¼ 687 (700-2¼)
CIRCLING	1480-1 672 (700-1)		1480-2 672 (700-2)	1480-2¼ 672 (700-2¼)
	WOMEN FIX MINIMUMS			
S-18	1260-1 467 (500-1)		1260-1¼ 467 (500-1¼)	1260-1½ 467 (500-1½)
CIRCLING	1280-1 472 (500-1)		1300-1½ 492 (500-1½)	1360-2 552 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC OSH	APP CRS	Rwy ldg	5647
111.8	265°	TDZE	781
Chan 55		Apt Elev	808

VOR RWY 27

OSHKOSH/WITTMAN RGNL (OSH)

MISSED APPROACH: Climb to 3000 via OSH R-270 to GRATE Int and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95

115.5 GRB Chan 102
R-215
GRATE INT OSH 8.7
090°
270°
R-270
902
265°
310°
130°
R-085
1564
1238
IAF OSHKOSH 111.8 OSH Chan 55
10 NM
MSA OSH 25 NM
2600

ELEV 808
265° to OSH VORTAC
0.4% UP
6178 X 150
3000
4750
863±
841±
TDZE 781
TWR 883
8002 X 150
0.3% DOWN
36

REIL Rwys 9, 18 and 27
HIRL Rwys 9-27 and 18-36 L

3000
OSH R-270 111.8
GRATE INT

VORTAC
085°
265°
2600
Remain within 10 NM

CATEGORY	A	B	C	D
S-27	1220-1 439 (500-1)		1220-1¼ 439 (500-1¼)	
CIRCLING	1260-1 452 (500-1)		1260-1½ 452 (500-1½)	1360-2 552 (600-2)

VORTAC OSH	APP CRS	Rwy ldg	8002
111.8	360°	TDZE	808
Chan 55		Apt Elev	808

VOR RWY 36

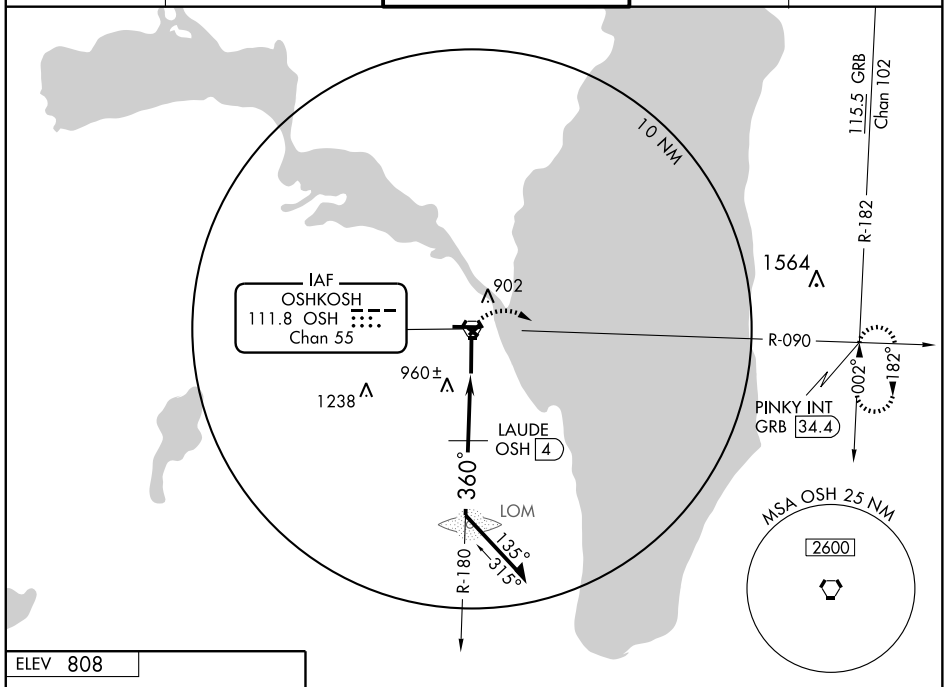
OSHKOSH/ WITTMAN RGNL (OSH)

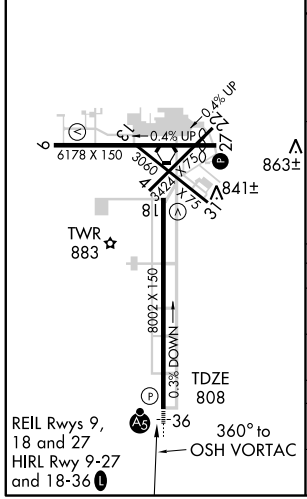
Cat. D S-36 DME MINIMUMS visibility increased to RVR 6000 for inoperative MALSR.

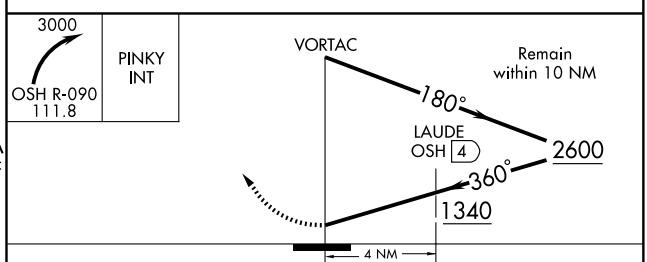
MALSR

MISSED APPROACH: Climbing right turn to 3000 via OSH R-090 to PINKY Int and hold.

ATIS	MILWAUKEE APP CON	OSHKOSH TOWER ★	GND CON	UNICOM
125.9	127.0 263.075	118.5 (CTAF) L 257.6	121.9	122.95







CATEGORY	A	B	C	D
S-36	1340/24 532 (600-½)		1340/50 532 (600-1)	1340/60 532 (600-1¼)
CIRCLING	1340-1 532 (600-1)		1340-1½ 532 (600-1½)	1360-2 552 (600-2)
	DME MINIMUMS			
S-36	1220/24 412 (500-½)		1220/40 412 (500-¾)	1220/50 412 (500-1)
CIRCLING	1260-1 452 (500-1)		1260-1½ 452 (500-1½)	1360-2 552 (600-2)

EC-3. 14 JAN 2010 to 11 FEB 2010

NDB PKF	APP CRS	Rwy ldg	3200
371	336°	TDZE	1500
		Apt Elev	1500

NDB RWY 36

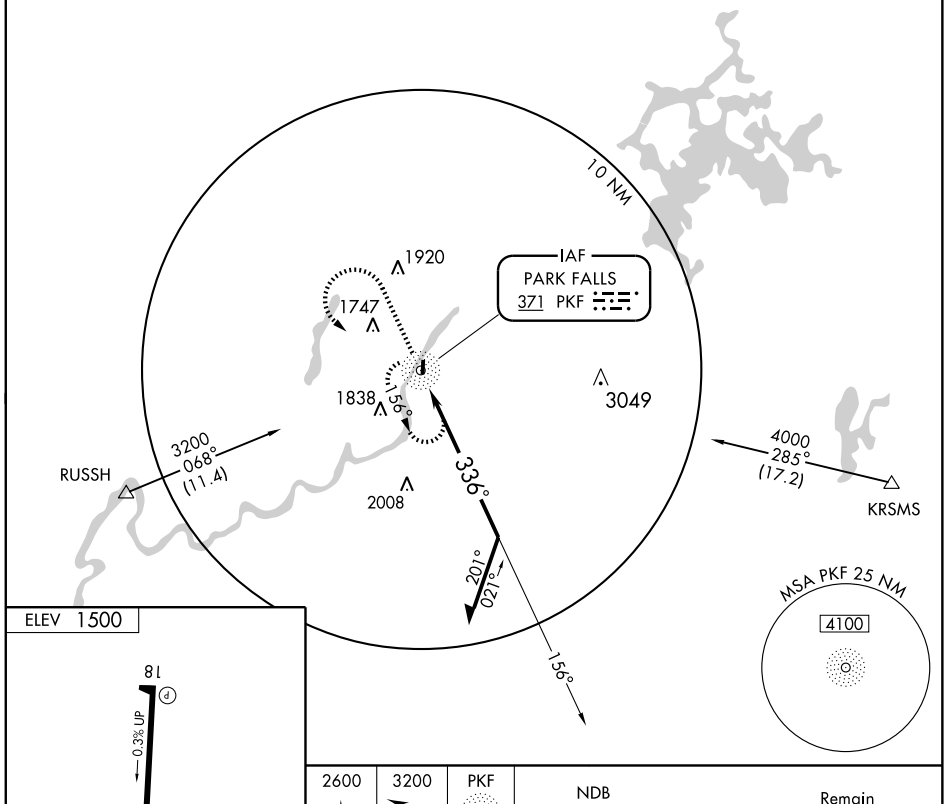
PARK FALLS MUNI (PKF)

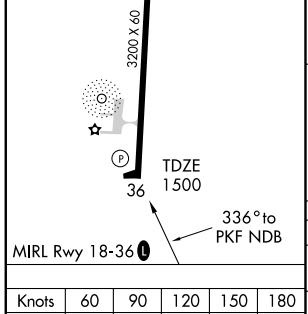
NA

Use Phillips altimeter setting.

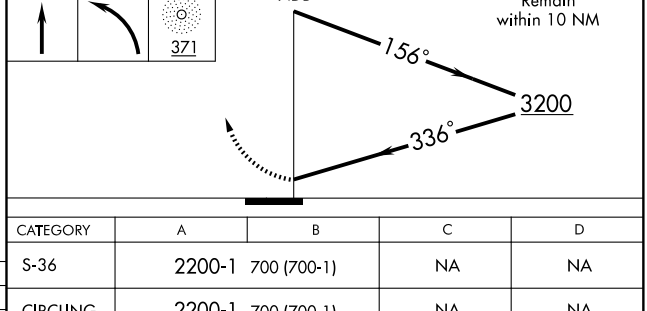
MISSED APPROACH: Climb to 2600 then climbing left turn to 3200 direct PKF NDB and hold.

MINNEAPOLIS CENTER	CTAF
133.65 281.5	122.9 L





Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-36	2200-1	700 (700-1)	NA	NA
CIRCLING	2200-1	700 (700-1)	NA	NA

APP CRS	Rwy ldg	3200
184°	TDZE	1494
	Apt Elev	1500

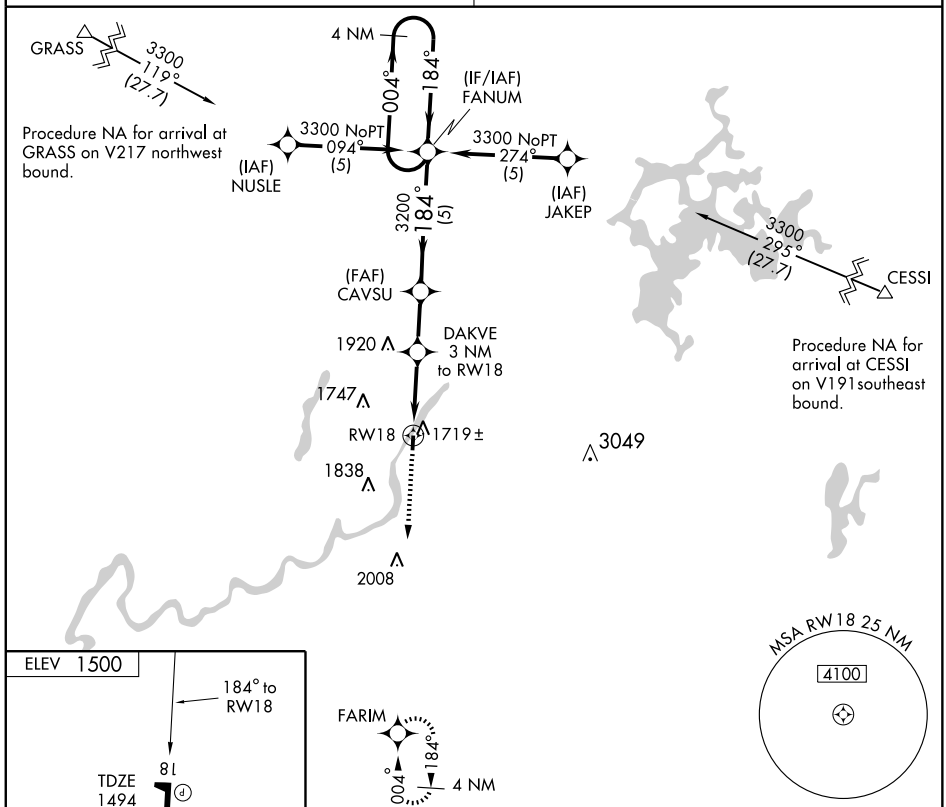
RNAV (GPS) RWY 18
PARK FALLS MUNI (PKF)

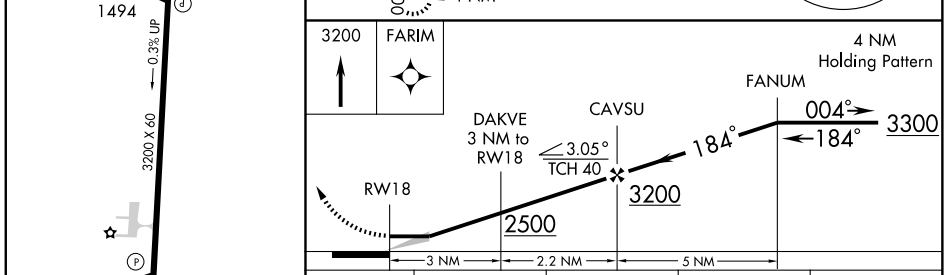
NA

Use Phillips altimeter setting.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3200 direct FARIM WP and hold.

MINNEAPOLIS CENTER	CTAF
133.65 281.5	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	2020-1 526 (600-1)		2020-1½ 526 (600-1½)	NA
CIRCLING	2060-1 560 (600-1)		2060-1½ 560 (600-1½)	NA

MIRL Rwy 18-36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

PARK FALLS, WISCONSIN

AL-9387 (FAA)

APP CRS	Rwy ldg	3200
004°	TDZE	1500
	Apt Elev	1500

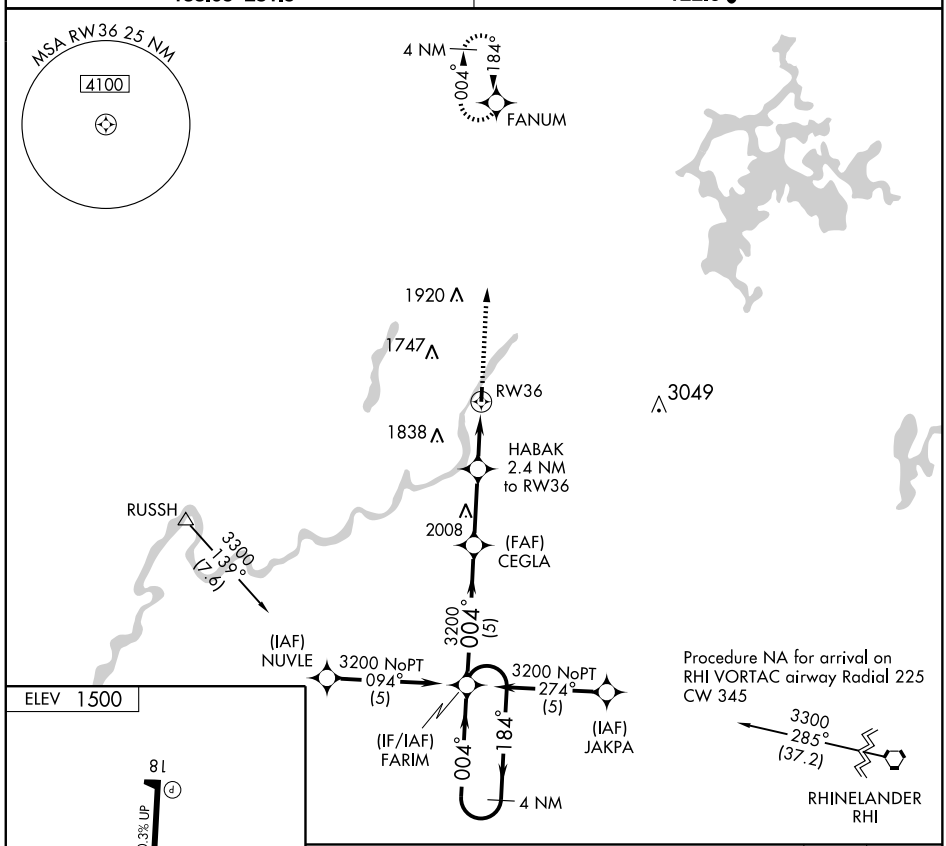
RNAV (GPS) RWY 36

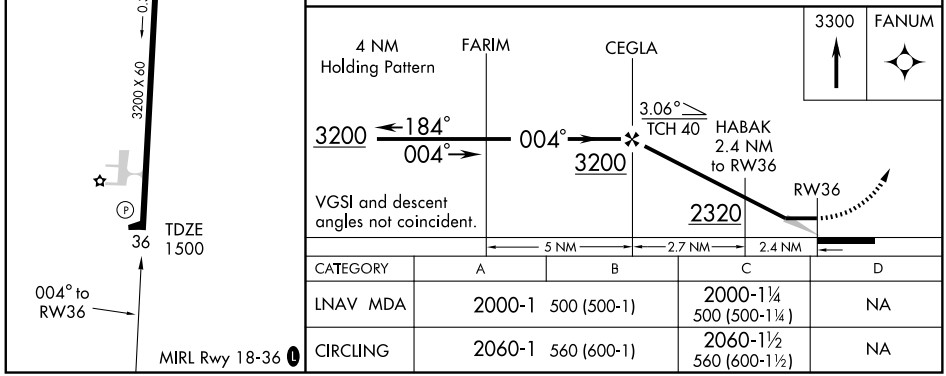
PARK FALLS MUNI (PKF)

T A NA — GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Use Phillips altimeter setting.

MISSED APPROACH: Climb to 3300 direct FANUM WP and hold.

MINNEAPOLIS CENTER	CTAF
133.65 281.5	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	2000-1 500 (500-1)		2000-1¼ 500 (500-1¼)	NA
CIRCLING	2060-1 560 (600-1)		2060-1½ 560 (600-1½)	NA

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB PBH	APP CRS	Rwy ldg	3950
263	047°	TDZE	1471
		Apt Elev	1497

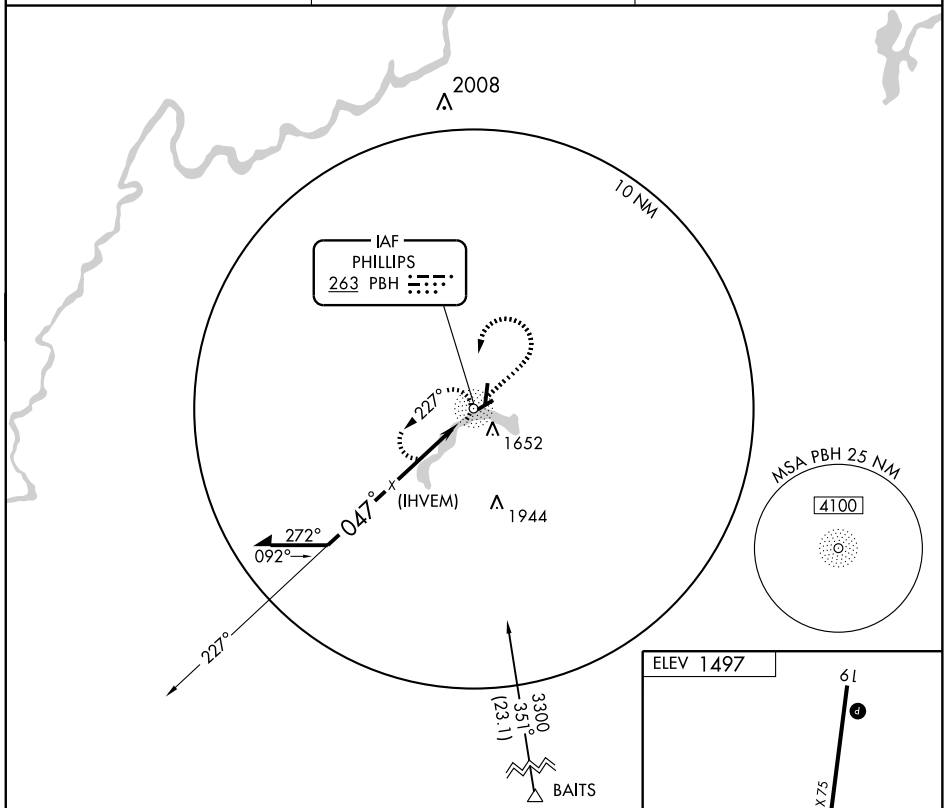
NDB or GPS RWY 6

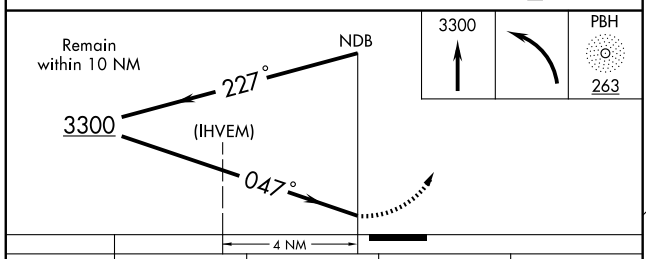
PHILLIPS/ PRICE COUNTY (PBH)

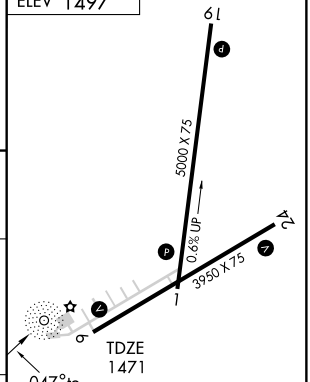
If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all MDA 100 ft.

MISSED APPROACH: Climb to 3300 then left turn direct PBH NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
125.875	133.65 281.5	122.8 (CTAF) L







REIL Rwys 1, 19 and 24 L
MIRL Rwys 1-19 and 6-24 L

CATEGORY	A	B	C	D
S-6	2100-1	629 (700-1)	2100-1¾ 629 (700-1¾)	NA
CIRCLING	2100-1	603 (700-1)	2100-1¾ 603 (700-1¾)	NA

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB PBH	APP CRS	Rwy ldg	3950
263	240°	TDZE	1472
		Apt Elev	1497

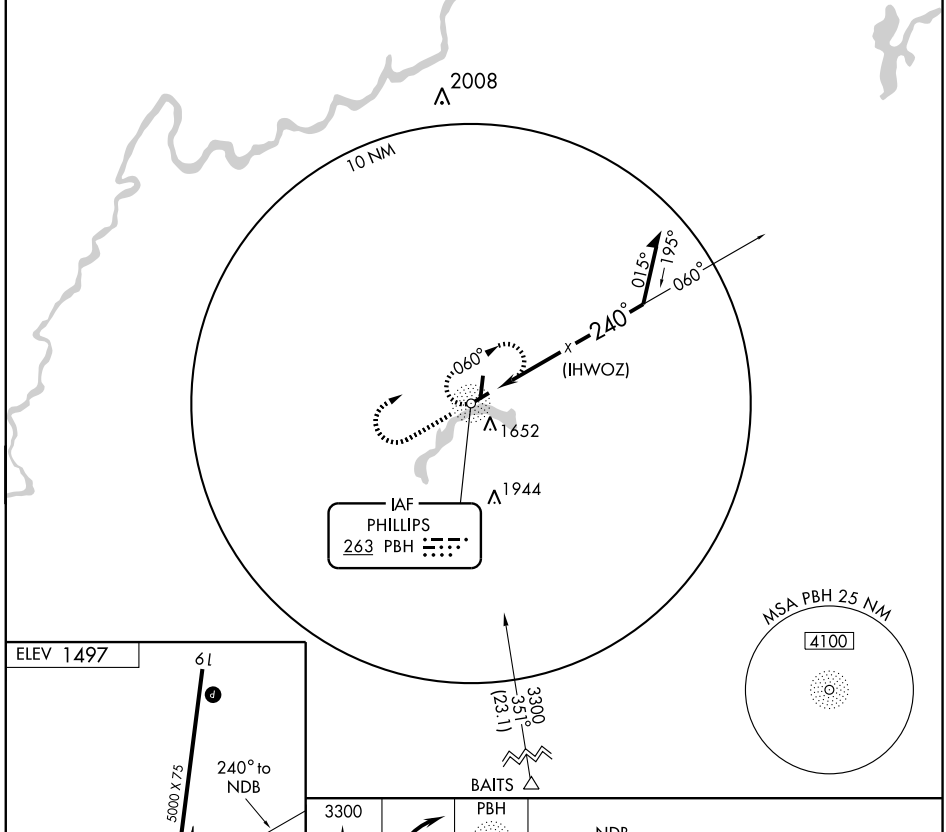
NDB or GPS RWY 24

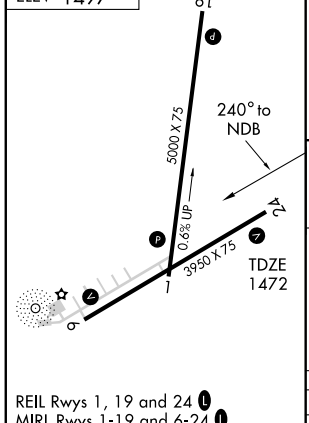
PHILLIPS/ PRICE COUNTY (PBH)

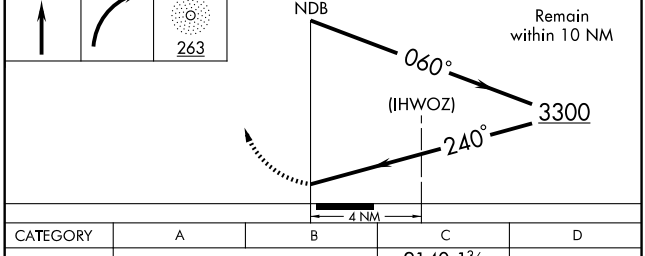
If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all MDA 100 ft.

MISSED APPROACH: Climb to 3300 then right turn direct PBH NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
125.875	133.65 281.5	122.8 (CTAF) L







REIL Rwys 1, 19 and 24 L
MIRL Rwys 1-19 and 6-24 L

Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-24	2140-1	668 (700-1)	2140-1¾ 668 (700-1¾)	NA
CIRCLING	2140-1	643 (700-1)	2140-1¾ 643 (700-1¾)	NA

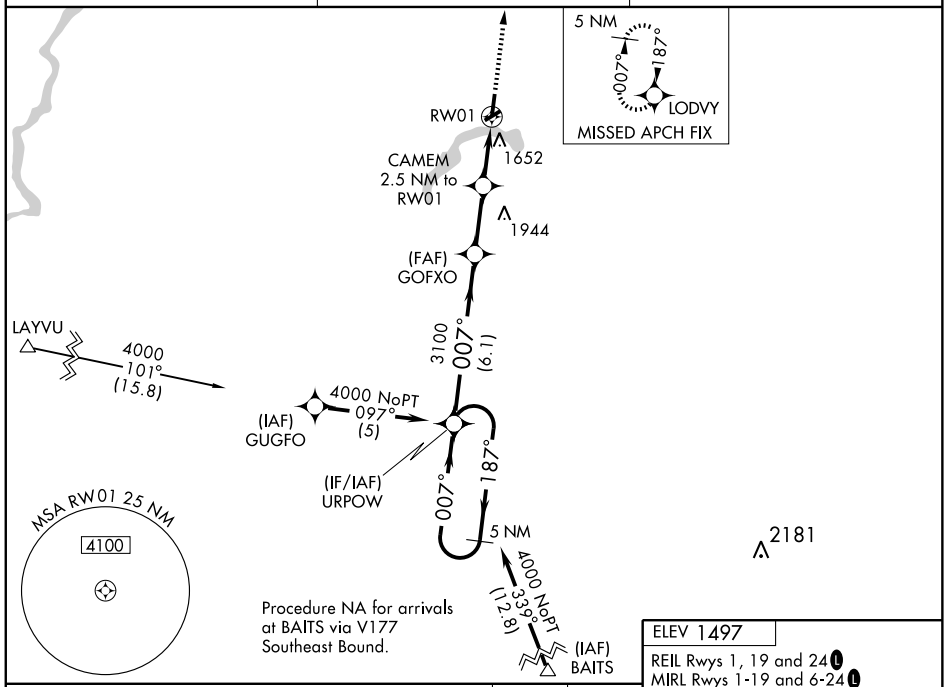
WAAS CH 56305 W01A	APP CRS 007°	Rwy ldg 5000 TDZE 1484 Apt Elev 1497

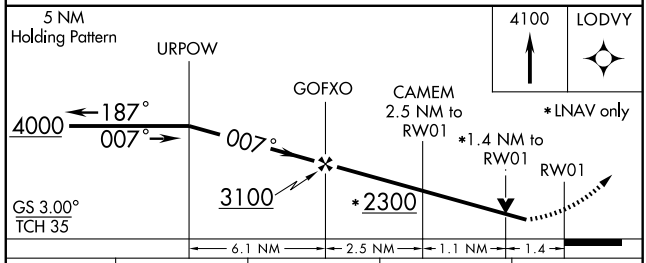
RNAV (GPS) RWY 1
PHILLIPS/ PRICE COUNTY (PBH)

Baro-VNAV NA when using Minocqua-Woodruff altimeter setting. If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all DAs 90 feet and all MDAs 100 feet. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA when using Minocqua-Woodruff altimeter setting.

MISSED APPROACH: Climb to 4100 direct LODVY and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
125.875	133.65 281.5	122.8 (CTAF) L

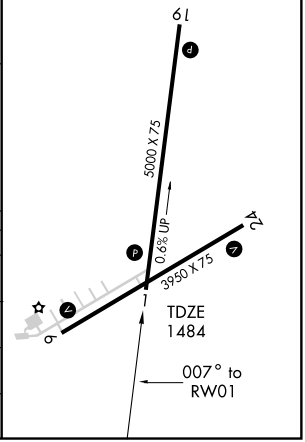




CATEGORY	A	B	C	D
LPV DA	1809-1¼ 325 (400-1¼)			
LNAV/VNAV DA	1945-1¾ 461 (500-1¾)			
LNAV MDA	1940-1 456 (500-1)		1940-1¼ 456 (500-1¼)	1940-1½ 456 (500-1½)
CIRCLING	2100-1 603 (700-1)		2100-1¾ 603 (700-1¾)	2100-2 603 (700-2)

ELEV 1497

REIL Rwys 1, 19 and 24 L
MIRL Rwys 1-19 and 6-24 L



WAAS CH 97405 W19A	APP CRS 187°	Rwy ldg 5000 TDZE 1497 Apt Elev 1497

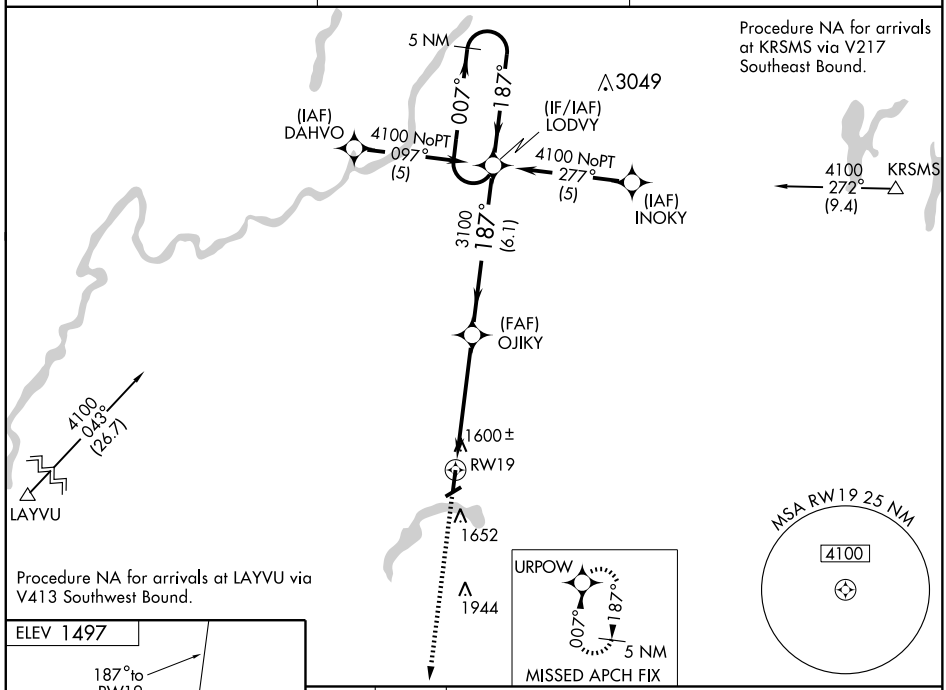
RNAV (GPS) RWY 19

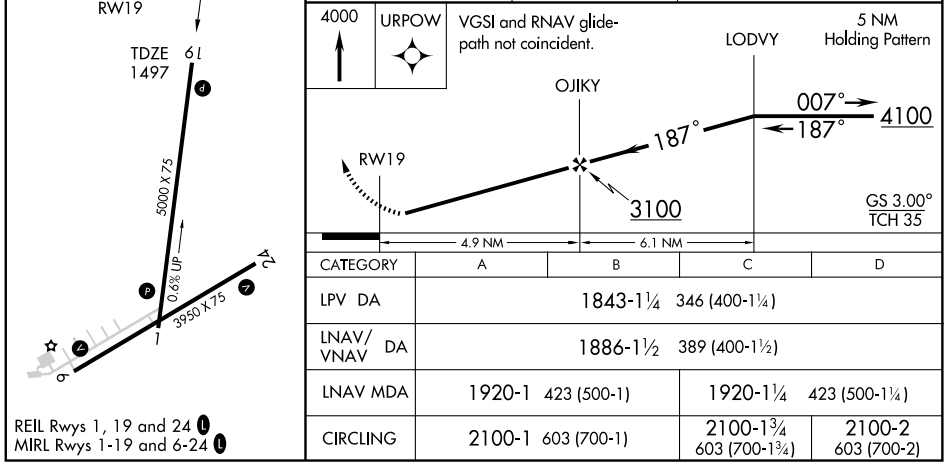
PHILLIPS/ PRICE COUNTY (PBH)

Baro-VNAV NA when using Minocqua-Woodruff altimeter setting. If local altimeter setting not received, use Minocqua-Woodruff altimeter setting and increase all DAs 90 feet and all MDAs 100 feet. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4000 direct URPOW and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
125.875	133.65 281.5	122.8 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1843-1¼ 346 (400-1¼)			
LNAV/VNAV DA	1886-1½ 389 (400-1½)			
LNAV MDA	1920-1 423 (500-1)		1920-1¼ 423 (500-1¼)	
CIRCLING	2100-1 603 (700-1)		2100-1¾ 603 (700-1¾)	2100-2 603 (700-2)

REIL Rwys 1, 19 and 24 L
MIRL Rwys 1-19 and 6-24 L

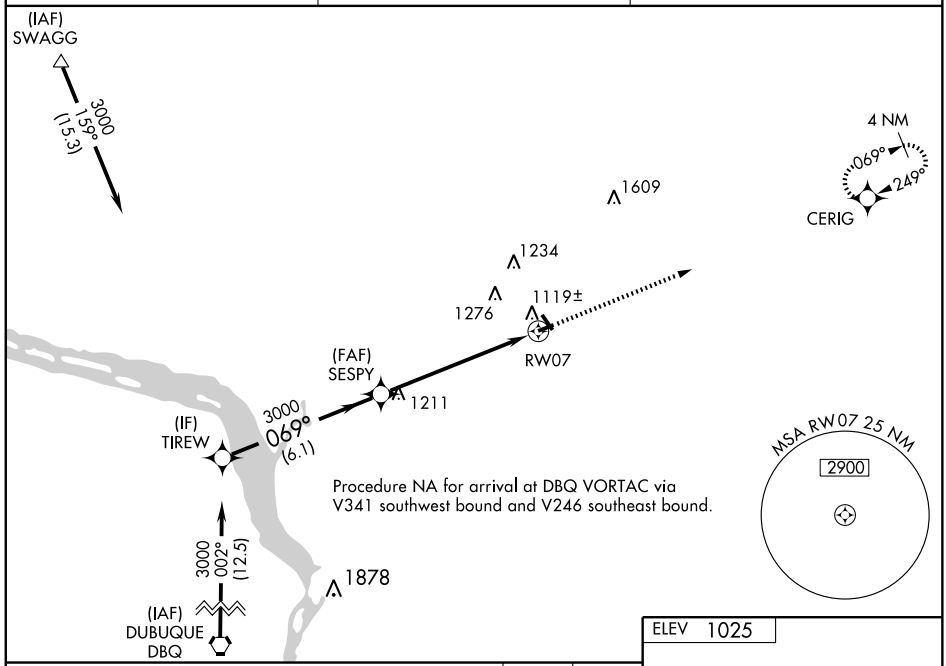
WAAS CH 82315 W07A	APP CRS 069°	Rwy ldg 3599 TDZE 1016 Apt Elev 1025

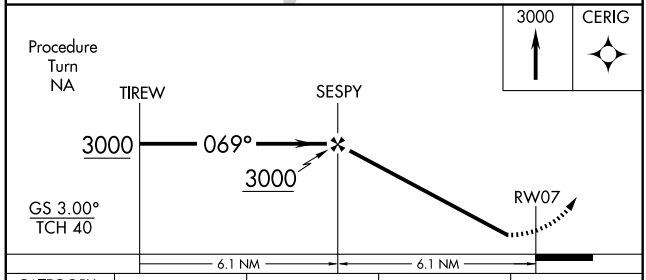
RNAV (GPS) RWY 7
PLATTEVILLE MUNI (PVB)

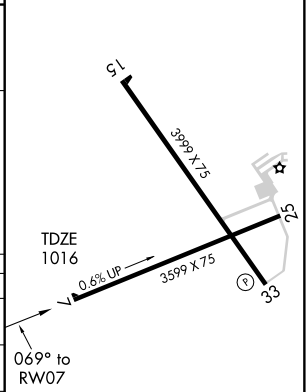
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Dubuque altimeter setting and increase all DA 56 feet and all MDA 60 feet, increase LPV all Cats and LNAV Cat C visibility ¼ mile. Baro-VNAV NA when using Dubuque altimeter setting.

MISSED APPROACH: Climb to 3000 direct CERIG and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.575	133.95 281.4	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1266-1 250 (300-1)			NA
LNAV/VNAV DA	1389-1½ 373 (400-1½)			NA
LNAV MDA	1380-1 364 (400-1)			NA
CIRCLING	1440-1 415 (500-1)	1480-1 455 (500-1)	1480-1½ 455 (500-1½)	NA

REIL Rwys 15 and 33 L
MIRL Rwys 7-25 and 15-33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

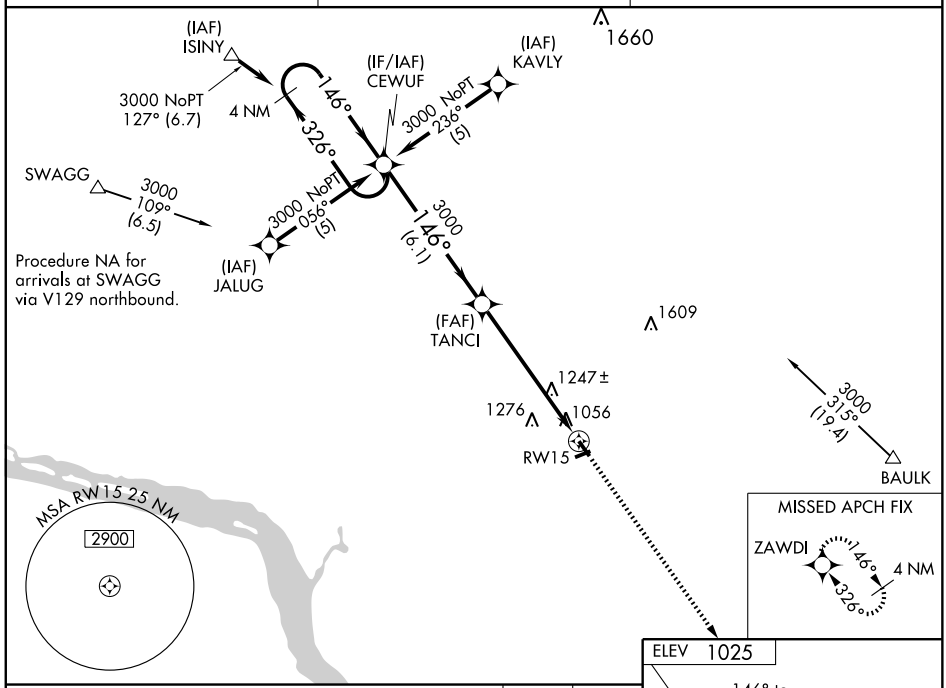
WAAS CH 42615 W15A	APP CRS 146°	Rwy ldg 3999 TDZE 1025 Apt Elev 1025

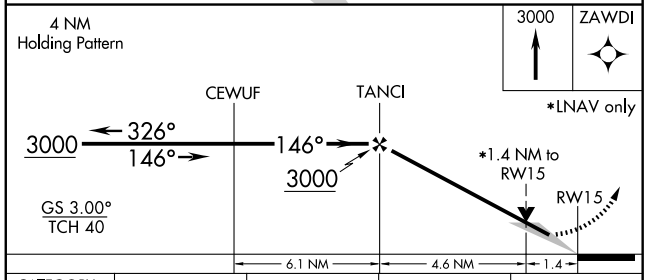
RNAV (GPS) RWY 15
PLATTEVILLE MUNI (PVB)

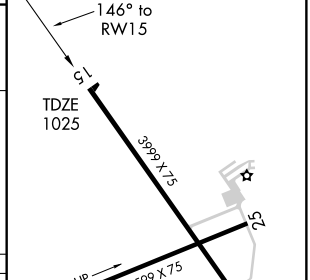
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Dubuque altimeter setting and increase all DA 56 feet, all MDA 60 feet, increase LNAV/VNAV all Cats and LNAV Cat C visibility ¼ mile. Baro-VNAV and VDP NA when using Dubuque altimeter setting.

MISSED APPROACH: Climb to 3000 direct ZAWDI and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.575	133.95 281.4	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1275-1 250 (300-1)			NA
LNAV/VNAV DA	1338-1 313 (400-1)			NA
LNAV MDA	1500-1 475 (500-1)		1500-1¼ 475 (500-1¼)	NA
CIRCLING	1500-1 475 (500-1)		1500-1½ 475 (500-1½)	NA

REIL Rwys 15 and 33 L
MIRL Rwys 7-25 and 15-33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

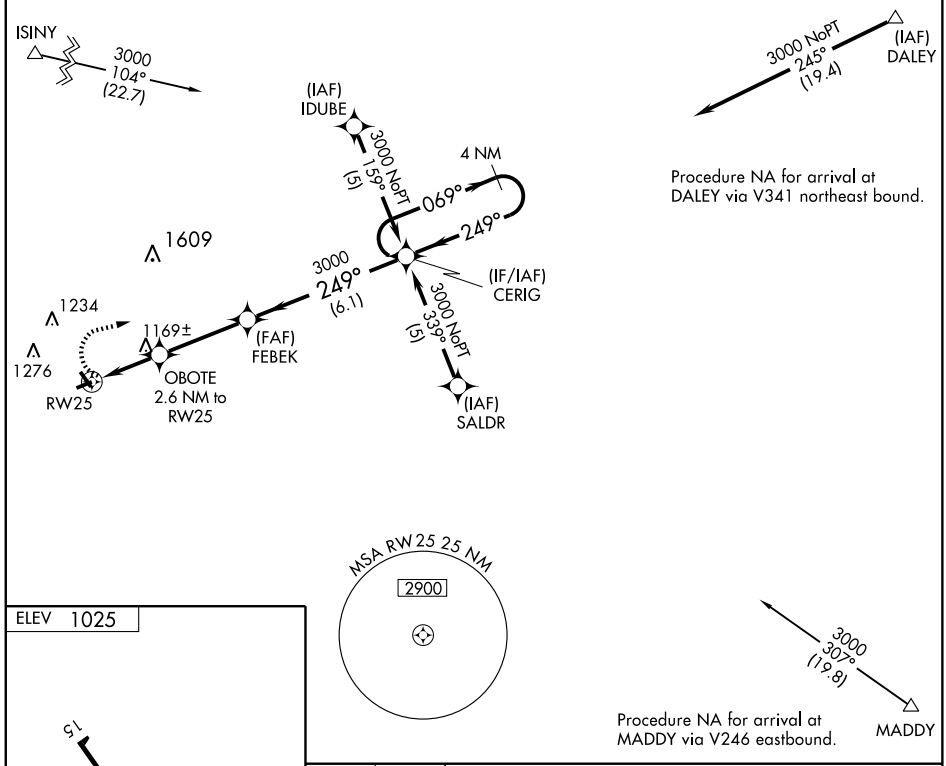
APP CRS	Rwy ldg	3599
249°	TDZE	1022
	Apt Elev	1025

RNAV (GPS) RWY 25
PLATTEVILLE MUNI (PVB)

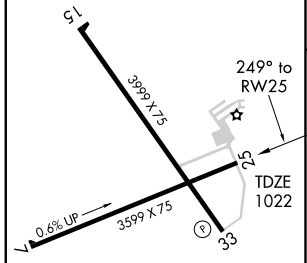
DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.
When local altimeter setting not received, use Dubuque altimeter setting and increase all MDA 60 feet.

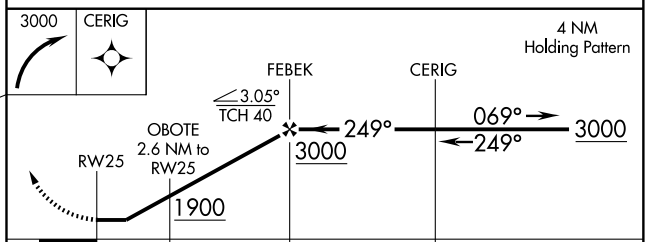
MISSED APPROACH: Climbing right turn to 3000 direct CERIG and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.575	133.95 281.4	122.7 (CTAF) L



ELEV 1025





CATEGORY	A	B	C	D
LNAV MDA	1440-1 418 (500-1)		1440-1¼ 418 (500-1¼)	NA
CIRCLING	1440-1 415 (500-1)	1480-1 455 (500-1)	1480-1½ 455 (500-1½)	NA

REIL Rwys 15 and 33 L
MIRL Rwys 7-25 and 15-33 L

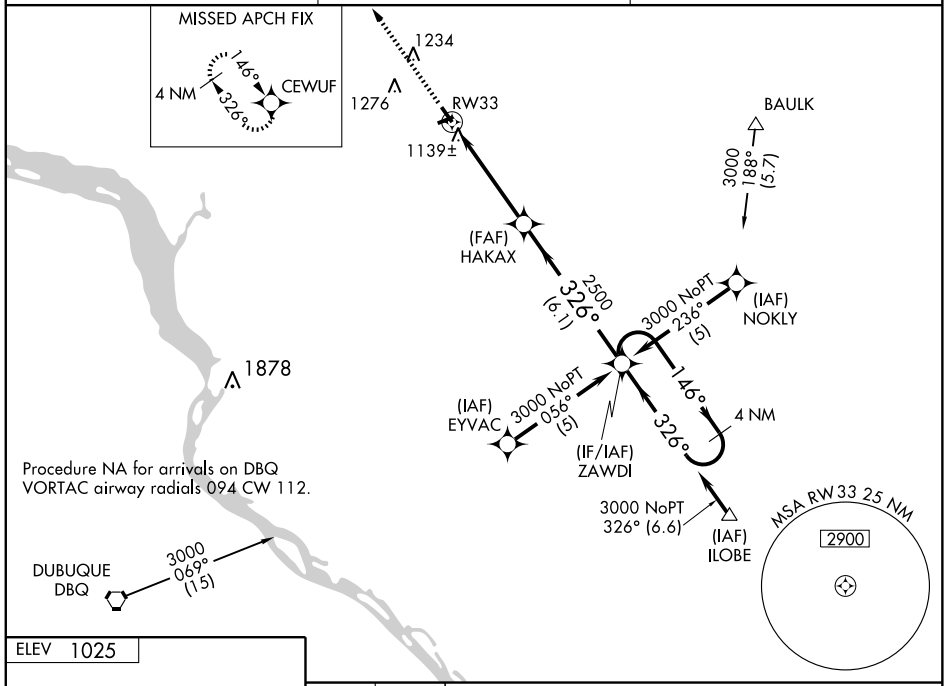
WAAS CH 40115 W33A	APP CRS 326°	Rwy ldg 3999 TDZE 1025 Apt Elev 1025

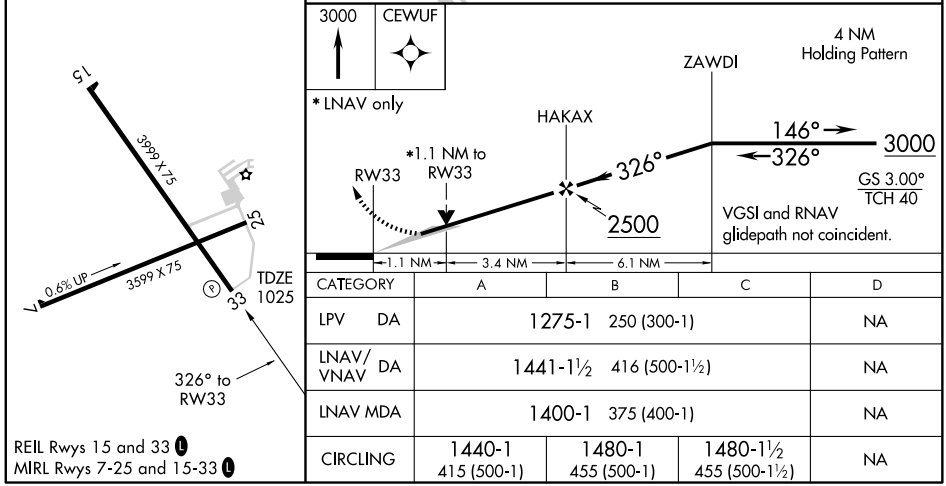
RNAV (GPS) RWY 33
PLATTEVILLE MUNI (PVB)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Dubuque altimeter setting and increase all DA 56 feet, all MDA 60 feet, increase LNAV/VNAV all Cats and LNAV Cat C visibility ¼ mile. Baro-VNAV and VDP NA when using Dubuque altimeter setting.

MISSED APPROACH: Climb to 3000 direct CEWUF and hold.

AWOS-3	CHICAGO CENTER	UNICOM
120.575	133.95 281.4	122.7 (CTAF) L





CATEGORY		A	B	C	D
LPV	DA	1275-1 250 (300-1)			NA
LNAV/VNAV	DA	1441-1½ 416 (500-1½)			NA
LNAV MDA		1400-1 375 (400-1)			NA
CIRCLING		1440-1 415 (500-1)	1480-1 455 (500-1)	1480-1½ 455 (500-1½)	NA

REIL Rwys 15 and 33 L
MIRL Rwys 7-25 and 15-33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC DLL 117.0 Chan 117	APP CRS 084°	Rwy ldg N/A TDZE N/A Apt Elev 825

VOR/DME or GPS-A
PORTAGE MUNI (C47)

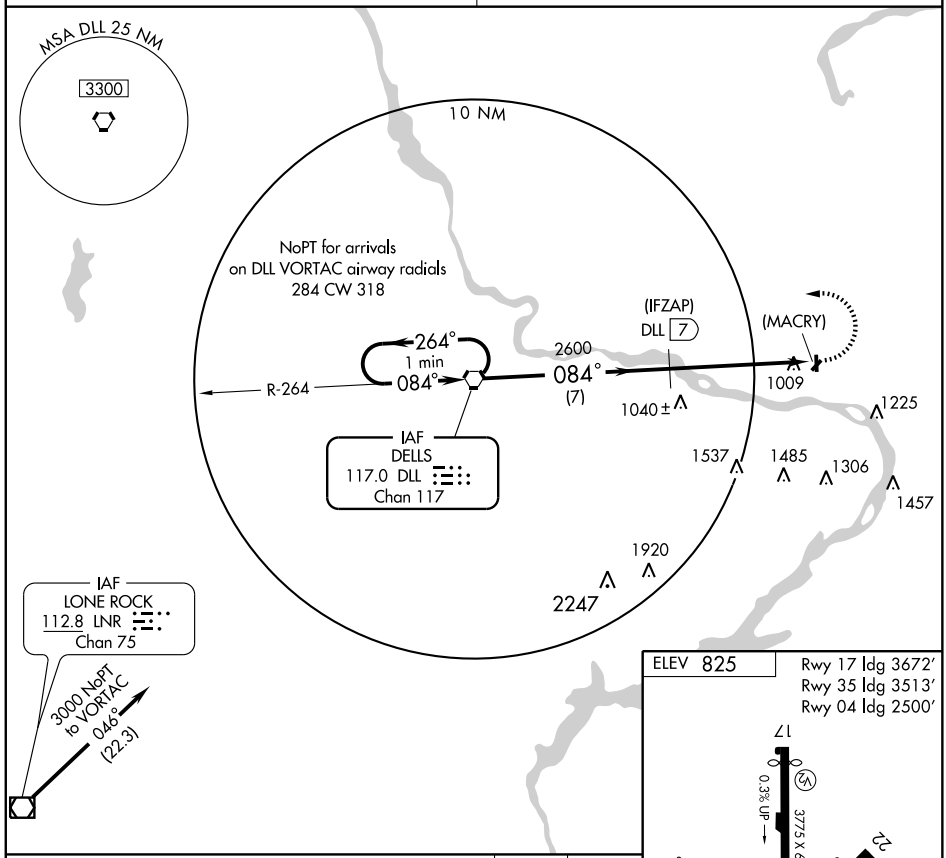
NA

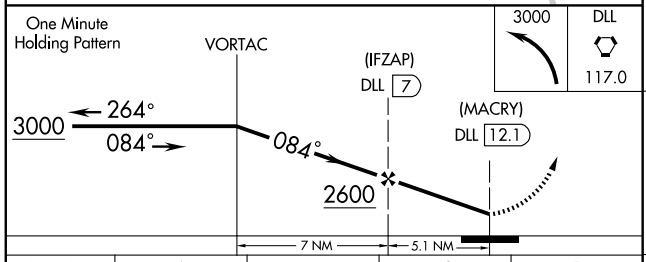
Use Baraboo Wisconsin Dells altimeter setting.

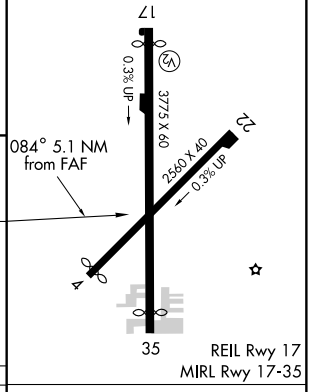
MISSED APPROACH: Climbing left turn to 3000 direct DLL VORTAC and hold.

MADISON APP CON ★
135.45 343.7

UNICOM
122.7 (CTAF)







CATEGORY	A	B	C	D
CIRCLING	1440-1 615 (700-1)		NA	

Knots	60	90	120	150	180
Min:Sec					

PORTAGE, WISCONSIN

AL-6364 (FAA)

VORTAC DLL 117.0 Chan 117	APP CRS 175°	Rwy ldg 3672 TDZE 818 Apt Elev 825

VOR/DME RNAV or GPS RWY 17

PORTAGE MUNI (C47)

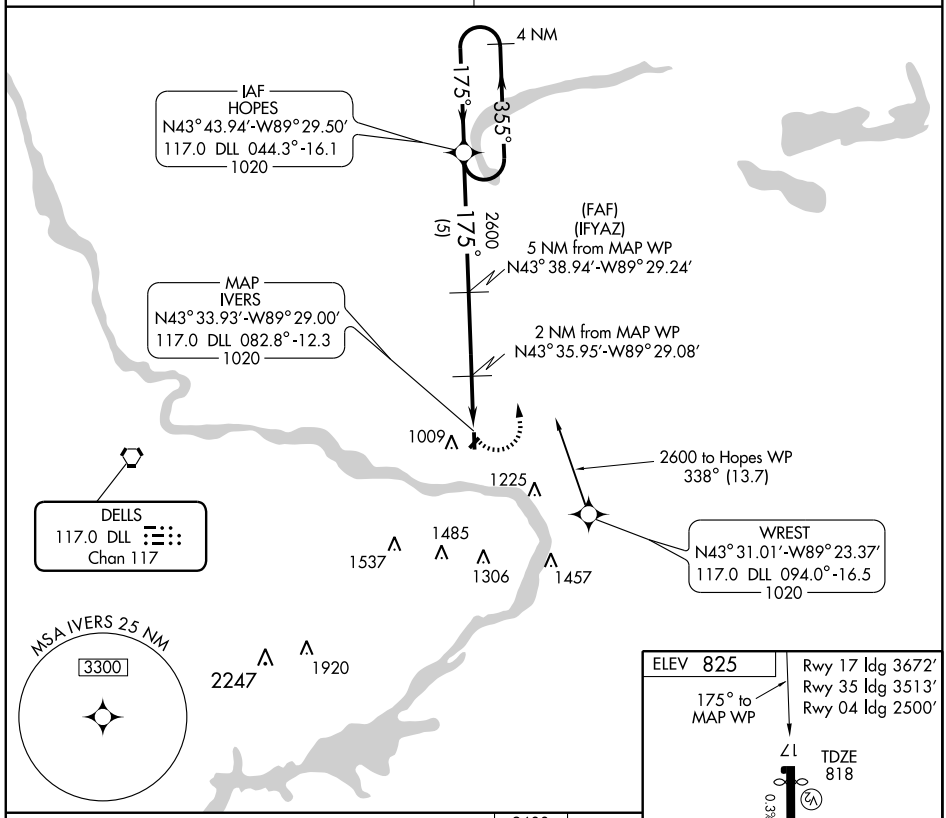
NA

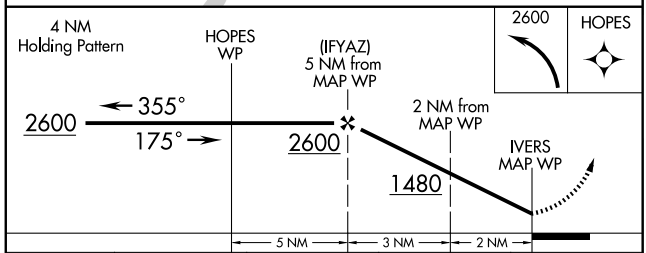
Use Baraboo Wisconsin Dells alitmeter setting.

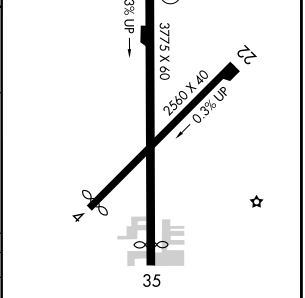
MISSED APPROACH: Climbing left turn to 2600 direct HOPES WP and hold.

MADISON APP CON ★
135.45 343.7

UNICOM
122.7 (CTAF)







CATEGORY	A	B	C	D
S-17	1400-1	582 (600-1)	NA	
CIRCLING	1440-1	615 (700-1)	NA	

REIL Rwy 17
MIRL Rwy 17-35

EC-3, 14 JAN 2010 to 11 FEB 2010

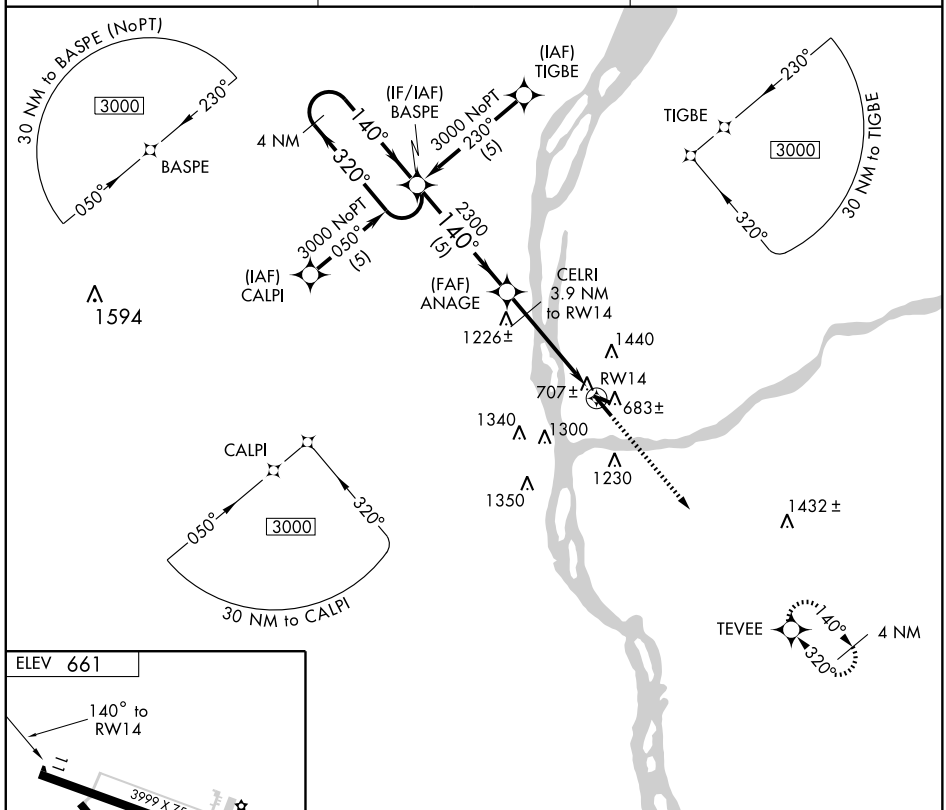
APP CRS	Rwy ldg	5000
140°	TDZE	655
	Apt Elev	661

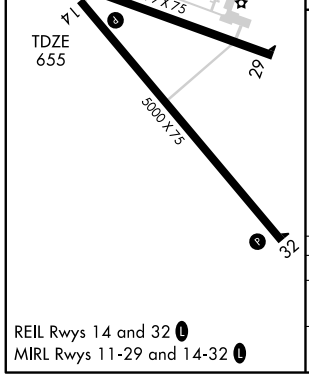
RNAV (GPS) RWY 14
PRAIRIE DU CHIEN MUNI (PDC)

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

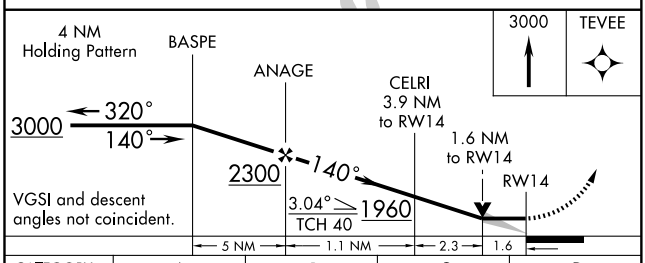
MISSED APPROACH: Climb to 3000 direct TEVEE WP and hold.

AWOS-3	CHICAGO CENTER	UNICOM
119.925	133.95 281.4	122.8 (CTAF) L





REIL Rwys 14 and 32 L
MIRL Rwys 11-29 and 14-32 L



CATEGORY	A	B	C	D
LNAV MDA	1180-1 525 (600-1)		1180-1½ 525 (600-1½)	1180-1¾ 525 (600-1¾)
CIRCLING	1580-1¼ 919 (1000-1¼)		1800-3 1139 (1200-3)	

EC-3, 14 JAN 2010 to 11 FEB 2010

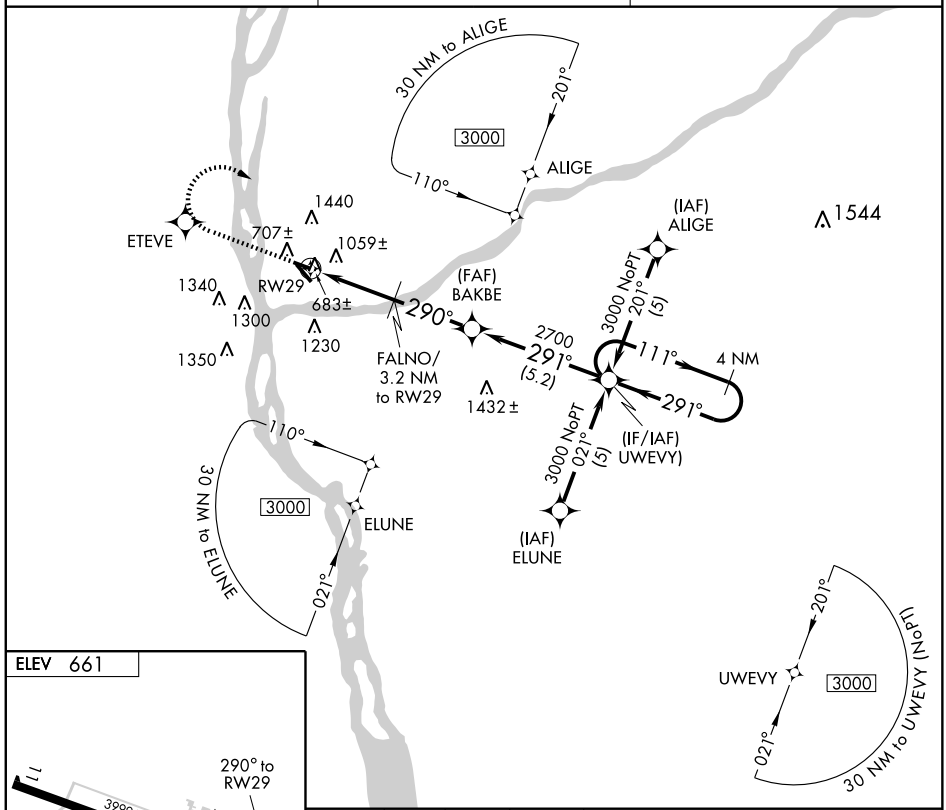
APP CRS	Rwy ldg	3999
290°	TDZE	661
	Apt Elev	661

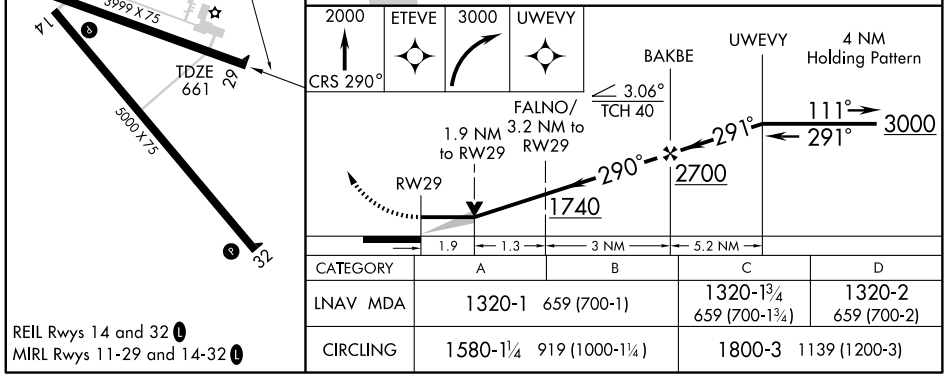
RNAV (GPS) RWY 29
PRAIRIE DU CHIEN MUNI (PDC)

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2000 via 290° course to ETEVE WP then climbing right turn to 3000 direct UWEVY WP and hold.

AWOS-3	CHICAGO CENTER	UNICOM
119.925	133.95 281.4	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	1320-1 659 (700-1)		1320-1¾ 659 (700-1¾)	1320-2 659 (700-2)
CIRCLING	1580-1¼ 919 (1000-1¼)		1800-3 1139 (1200-3)	

REIL Rwys 14 and 32 L
MIRL Rwys 11-29 and 14-32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5000
320°	TDZE	655
	Apt Elev	661

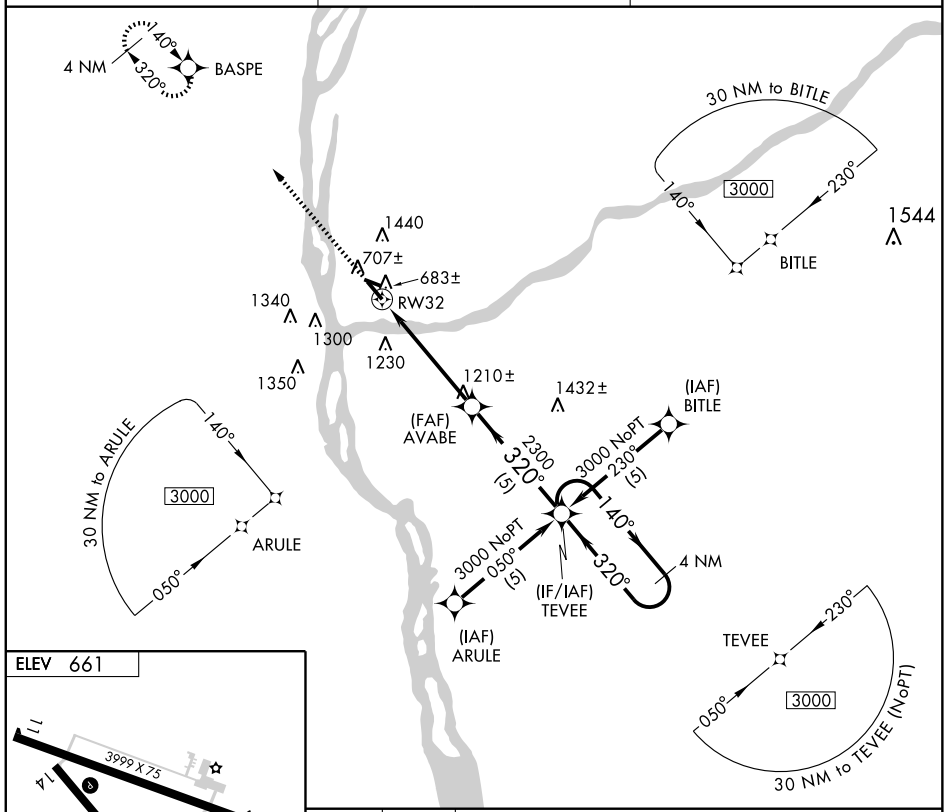
RNAV (GPS) RWY 32
PRAIRIE DU CHIEN MUNI (PDC)

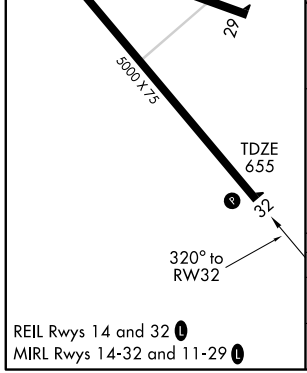
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

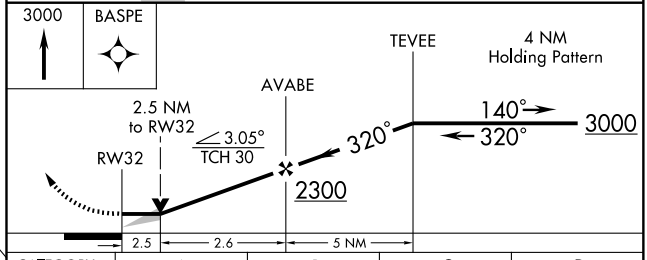
NA

MISSED APPROACH: Climb to 3000 direct BASPE WP and hold.

AWOS-3	CHICAGO CENTER	UNICOM
119.925	133.95 281.4	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1460-1 805 (900-1)	1460-1¼ 805 (900-1¼)	1460-2¼ 805 (900-2¼)	1460-2½ 805 (900-2½)
CIRCLING	1580-1¼ 919 (1000-1¼)		1800-3 1139 (1200-3)	

REIL Rwys 14 and 32 L
MIRL Rwys 14-32 and 11-29 L

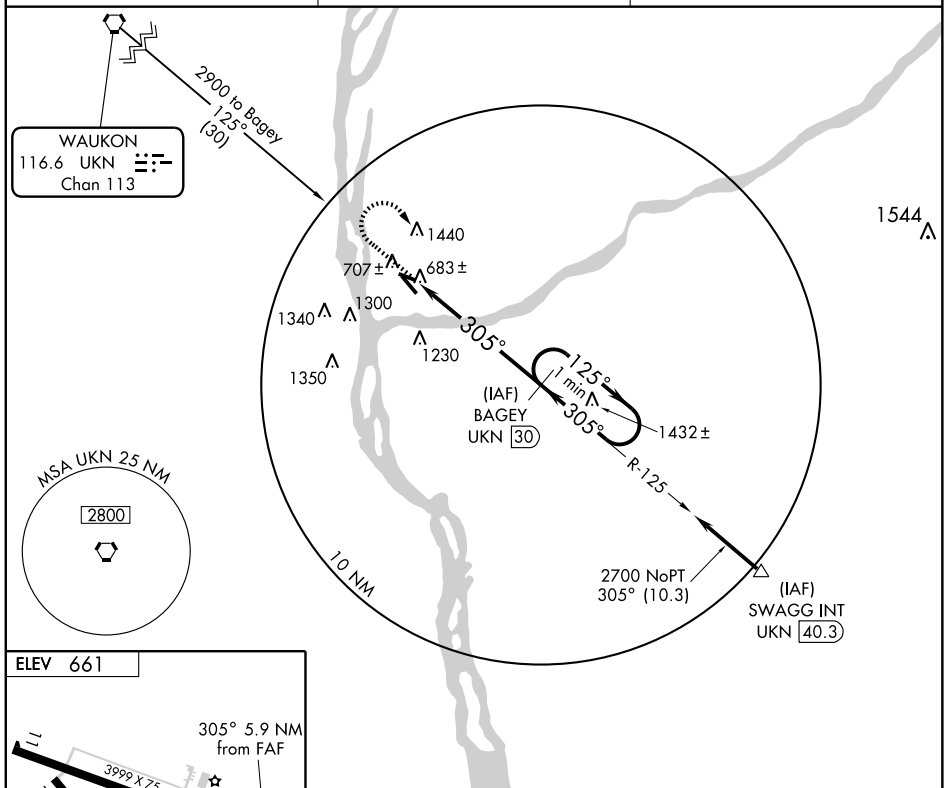
EC-3, 14 JAN 2010 to 11 FEB 2010

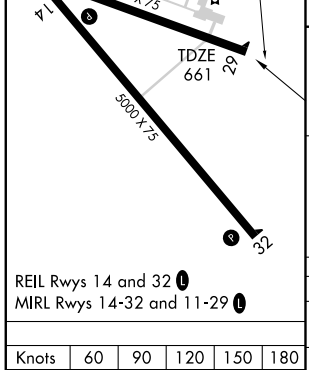
VORTAC UKN	APP CRS	Rwy ldg	3999
116.6	305°	TDZE	661
Chan 113		Apt Elev	661

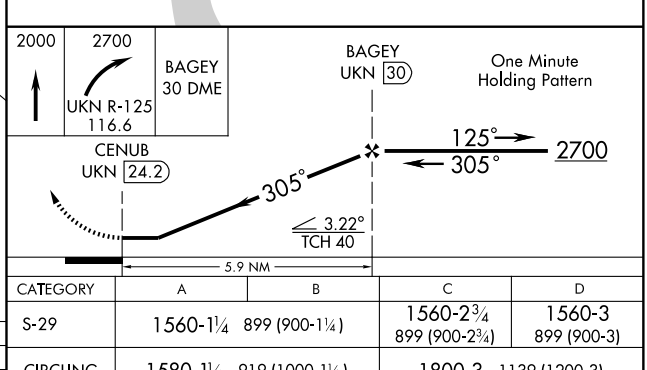
VOR/DME RWY 29
PRAIRIE DU CHIEN MUNI (PDC)

MISSED APPROACH: Climb to 2000, then climbing right turn to 2700 via UKN R-125 to BAGEY/30 DME and hold.

AWOS-3	CHICAGO CENTER	UNICOM
119.925	133.95 281.4	122.8 (CTAF) L







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-29	1560-1¼ 899 (900-1¼)		1560-2¾ 899 (900-2¾)	1560-3 899 (900-3)
CIRCLING	1580-1¼ 919 (1000-1¼)		1800-3 1139 (1200-3)	

EC-3, 14 JAN 2010 to 11 FEB 2010

PRAIRIE DU SAC, WISCONSIN

AL-10335 (FAA)

APP CRS	Rwy ldg	2936
177°	TDZE	832
	Apt Elev	832

RNAV (GPS) RWY 18

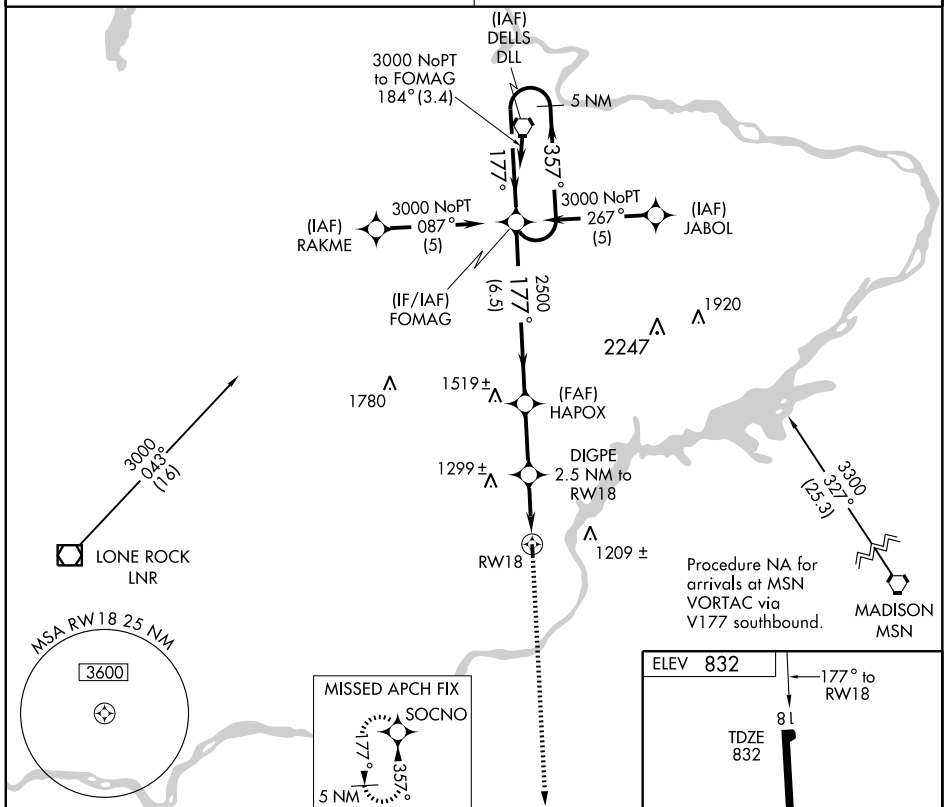
PRAIRIE DU SAC/SAUK-PRAIRIE (91C)

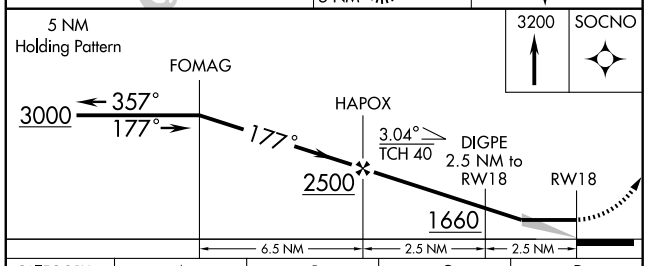
T
A NA

Use Dane County Rgnl-Truax Field altimeter setting; if not received use Baraboo altimeter setting. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3200 direct SOCNO and hold.

MADISON APP CON★	CTAF
135.45 343.7	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	1400-1 568 (600-1)		NA	
CIRCLING	1400-1 568 (600-1)		NA	

EC-3, 14 JAN 2010 to 11 FEB 2010

PRAIRIE DU SAC, WISCONSIN

AL-10335 (FAA)

APP CRS	Rwy ldg	2936
357°	TDZE	832
	Apt Elev	832

RNAV (GPS) RWY 36

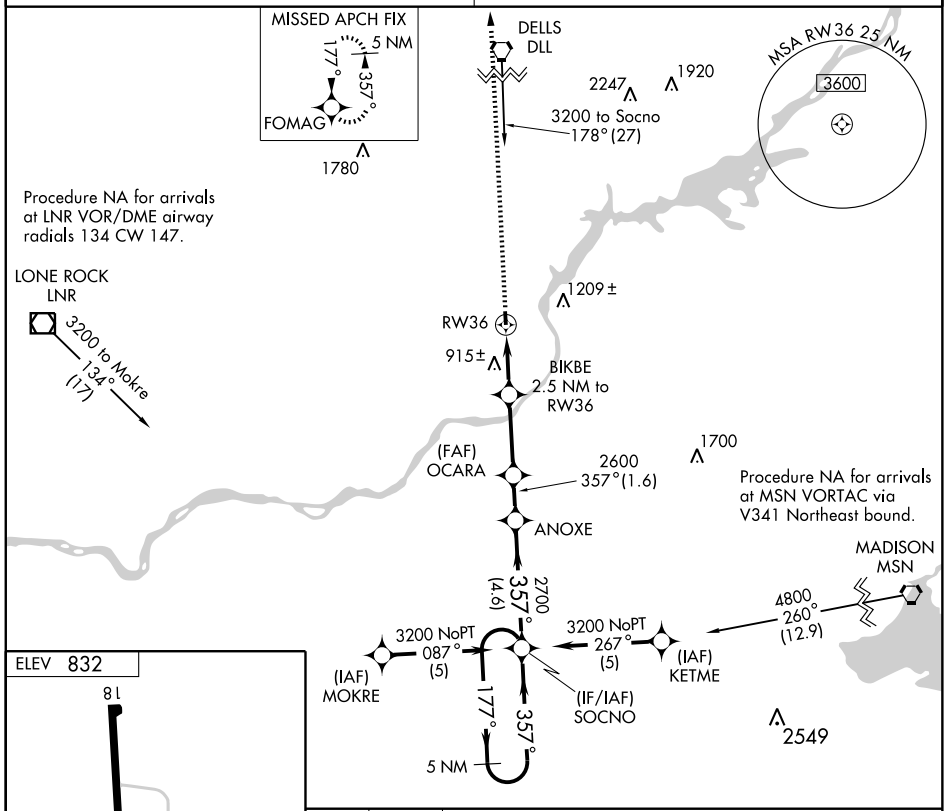
PRAIRIE DU SAC/ SAUK-PRAIRIE (91C)

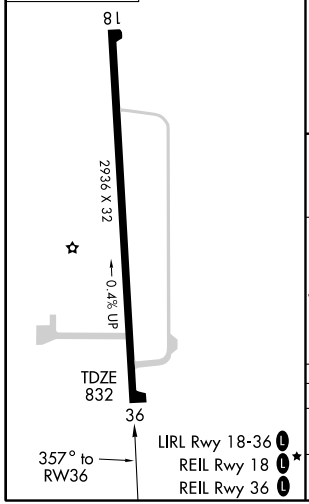
NA

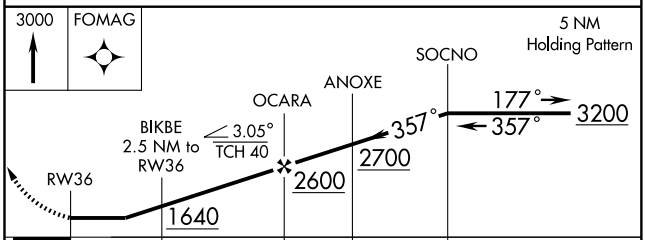
Use Dane County Rgnl-Truax Field altimeter setting; if not received, use Baraboo altimeter setting.
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct FOMAG and hold.

MADISON APP CON★	CTAF
135.45 343.7	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1400-1 568 (600-1)		NA	
CIRCLING	1400-1 568 (600-1)		NA	

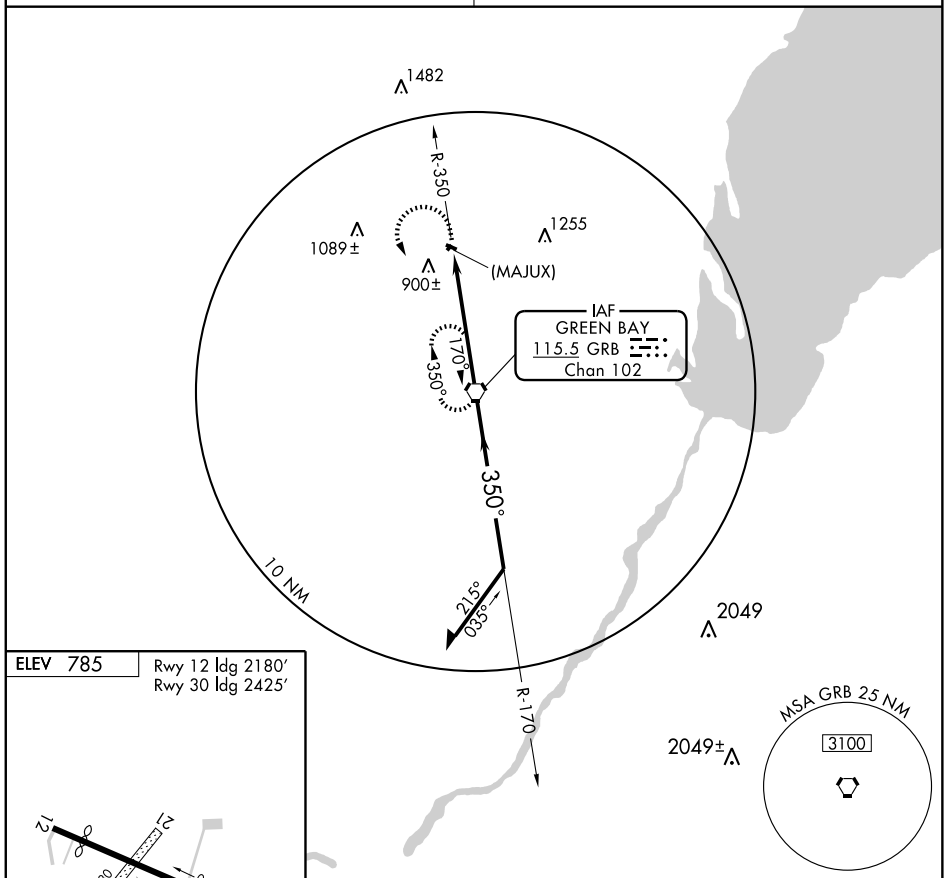
EC-3, 14 JAN 2010 to 11 FEB 2010

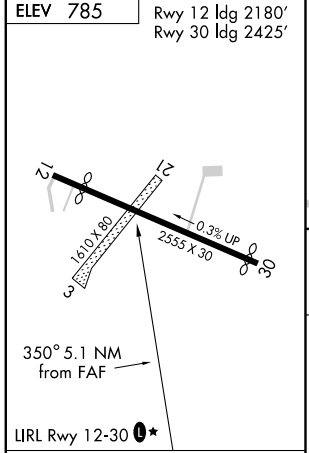
VORTAC GRB 115.5 Chan 102	APP CRS 350°	Rwy ldg N/A TDZE N/A Apt Elev 785

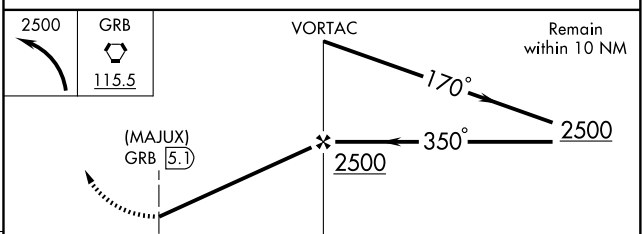
VOR or GPS-A

PULASKI/CARTER (92C)

NA Use Green Bay altimeter setting. Procedure not authorized at night.	MISSED APPROACH: Climbing left turn to 2500, direct GRB VORTAC and hold.
GREEN BAY APP CON ★ 119.4 338.2	CTAF 122.9







FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

CATEGORY	A	B	C	D
CIRCLING	1280-1 495 (500-1)		NA	

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC I-RAC	APP CRS	Rwy ldg	5840
108.7	041°	TDZE	667
		Apt Elev	674

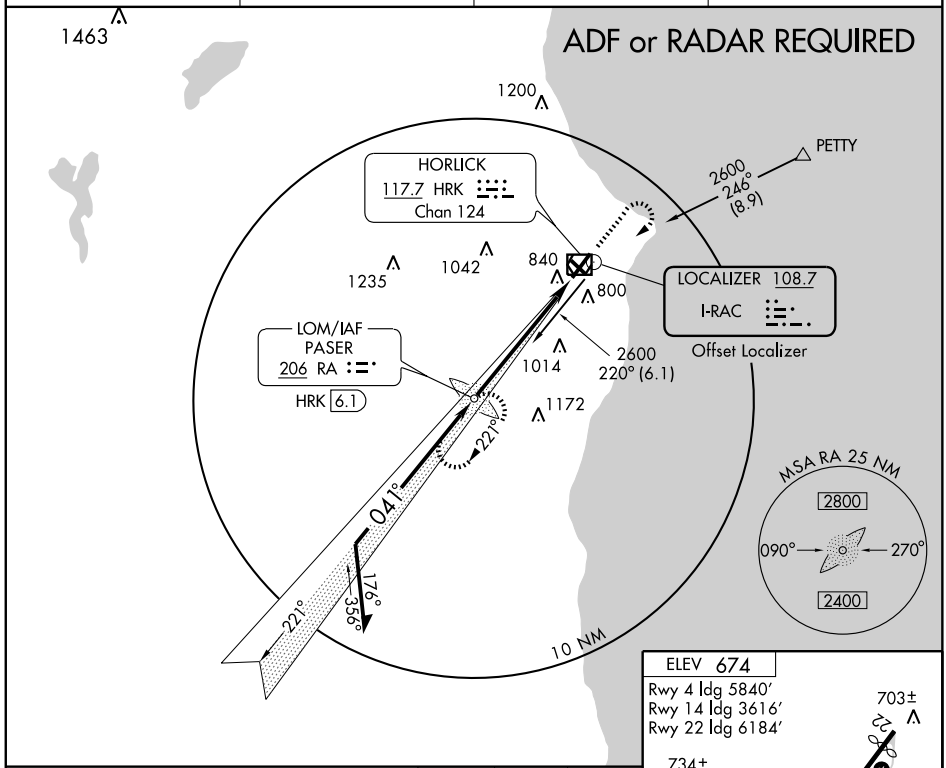
ILS RWY 4

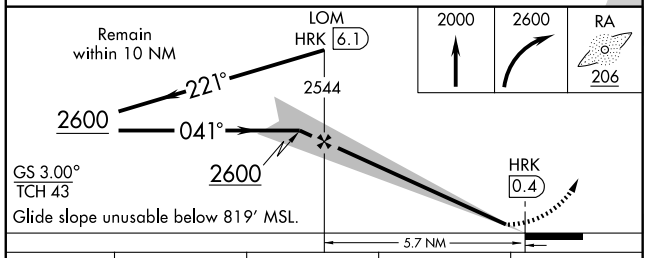
RACINE/JOHN H. BATTEN (RAC)

NA

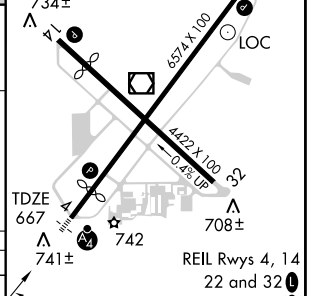
MISSED APPROACH: Climb to 2000 then climbing right turn to 2600 direct PASER LOM and hold.

ASOS	MILWAUKEE APP CON	CLNC DEL	UNICOM
117.7	120.15 (SOUTH) 317.725	120.15	123.075 (CTAF) L





Glide slope unusable below 819′ MSL.



CATEGORY	A	B	C	D
S-ILS 4	917-1 250 (300-1)			
S-LOC 4	1100-1 433 (500-1)		1100-1¼ 433 (500-1¼)	1100-1½ 433 (500-1½)
CIRCLING	1160-1 486 (500-1)		1160-1½ 486 (500-1½)	1240-2 566 (600-2)

FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

EC-3. 14 JAN 2010 to 11 FEB 2010

LOM RA	APP CRS	Rwy ldg	5840
206	041°	TDZE	667
		Apt Elev	674

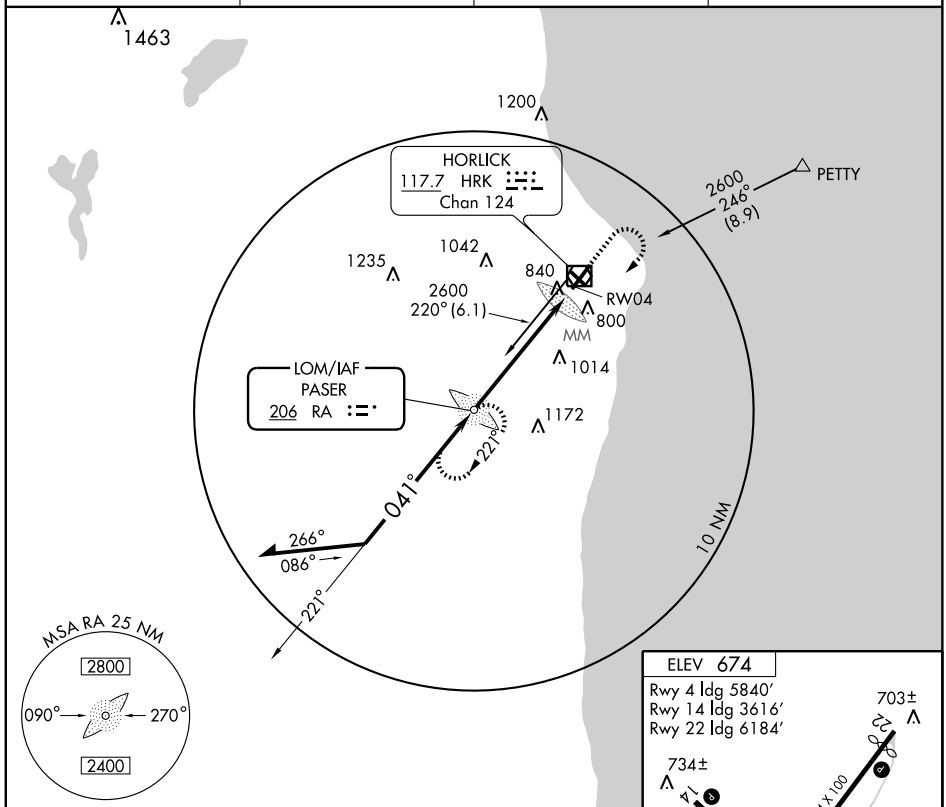
NDB or GPS RWY 4

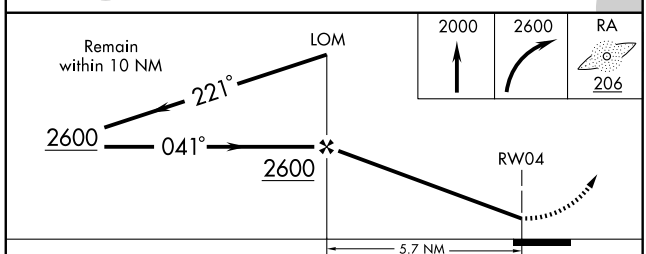
RACINE/JOHN H. BATTEN (RAC)

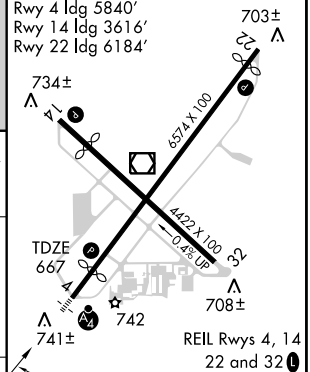
NA

MISSED APPROACH: Climb to 2000 then climbing right turn to 2600 direct RA LOM and hold.

ASOS	MILWAUKEE APP CON	CLNC DEL	UNICOM
117.7	120.15 (SOUTH) 317.725	120.15	123.075 (CTAF) L







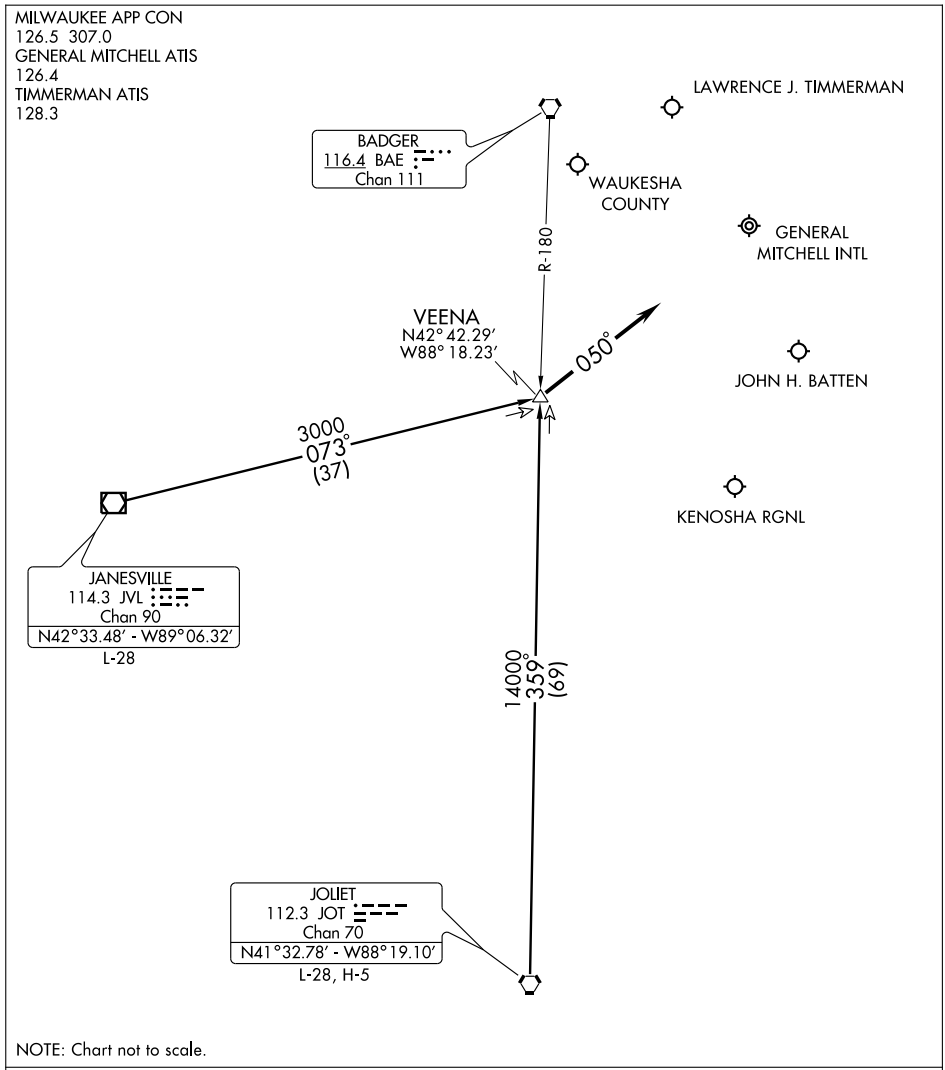
CATEGORY	A	B	C	D
S-4	1380-1 713 (800-1)		1380-2 713 (800-2)	1380-2¼ 713 (800-2¼)
CIRCLING	1380-1 706 (800-1)		1380-2 706 (800-2)	1380-2¼ 706 (800-2¼)

FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

EC-3, 14 JAN 2010 to 11 FEB 2010

VEENA ONE ARRIVAL (VEENA.VEENA1)

MILWAUKEE, WISCONSIN



NOTE: Chart not to scale.

JANESVILLE TRANSITION (JVL.VEENA1): From over JVL VOR/DME via JVL R-073 to VEENA INT. Thence....

JOLIET TRANSITION (JOT.VEENA1): From over JOT VORTAC via JOT R-359 to VEENA INT. Thence....

.... depart VEENA INT heading 050° for initial vector to final approach.

LOST COMMUNICATIONS: From VEENA INT proceed direct IAF for destination airport.

VORTAC BAE 116.4 Chan 111	APP CRS 215°	Rwy ldg 6184 TDZE 666 Apt Elev 674

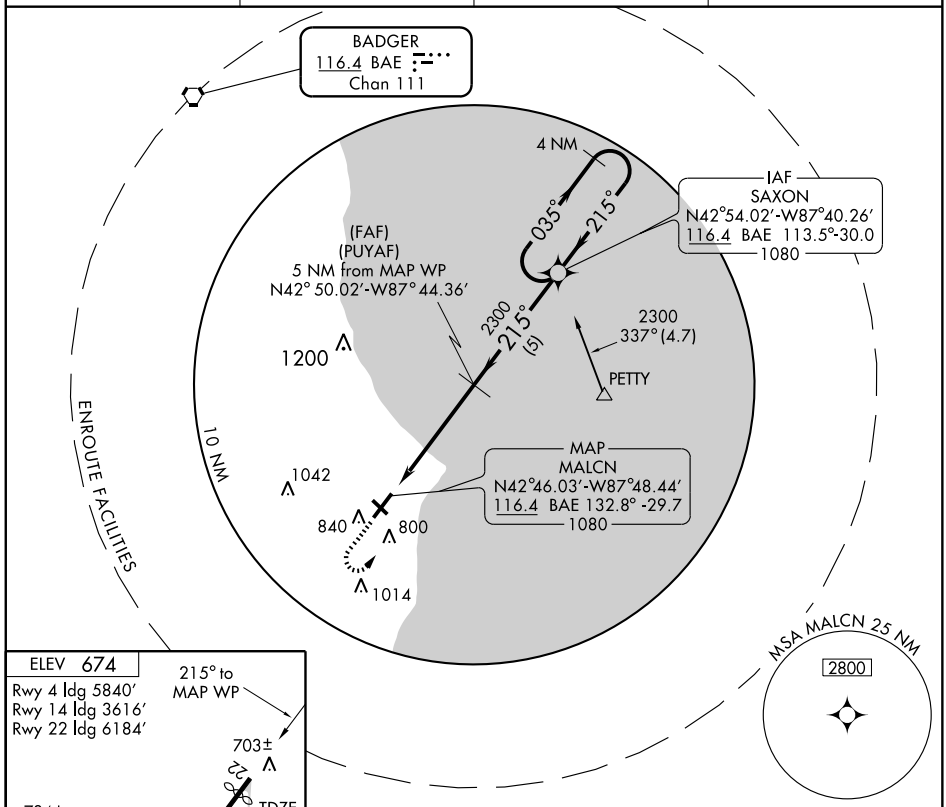
VOR/DME RNAV or GPS RWY 22

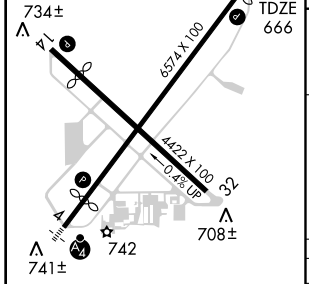
RACINE/JOHN H. BATTEN (RAC)

NA

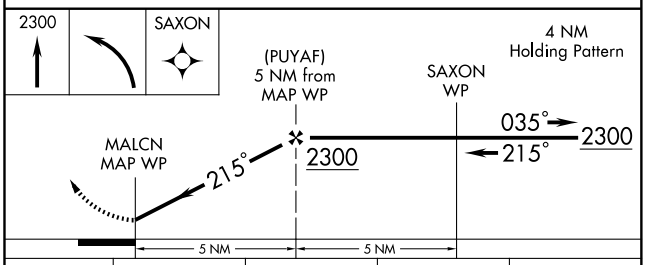
MISSED APPROACH: Climb to 2300 then left turn direct SAXON WP and hold.

ASOS	MILWAUKEE APP CON	CLNC DEL	UNICOM
117.7	120.15 (SOUTH) 317.725	120.15	123.075 (CTAF) L





HIRL Rwy 4-22 L
MIRL Rwy 14-32 L
REIL Rwys 4,14, 22 and 32 L



CATEGORY	A	B	C	D
S-22	1100-1 434 (500-1)		1100-1¼ 434 (500-1¼)	1100-1½ 434 (500-1½)
CIRCLING	1160-1 486 (500-1)		1160-1½ 486 (500-1½)	1240-2 566 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

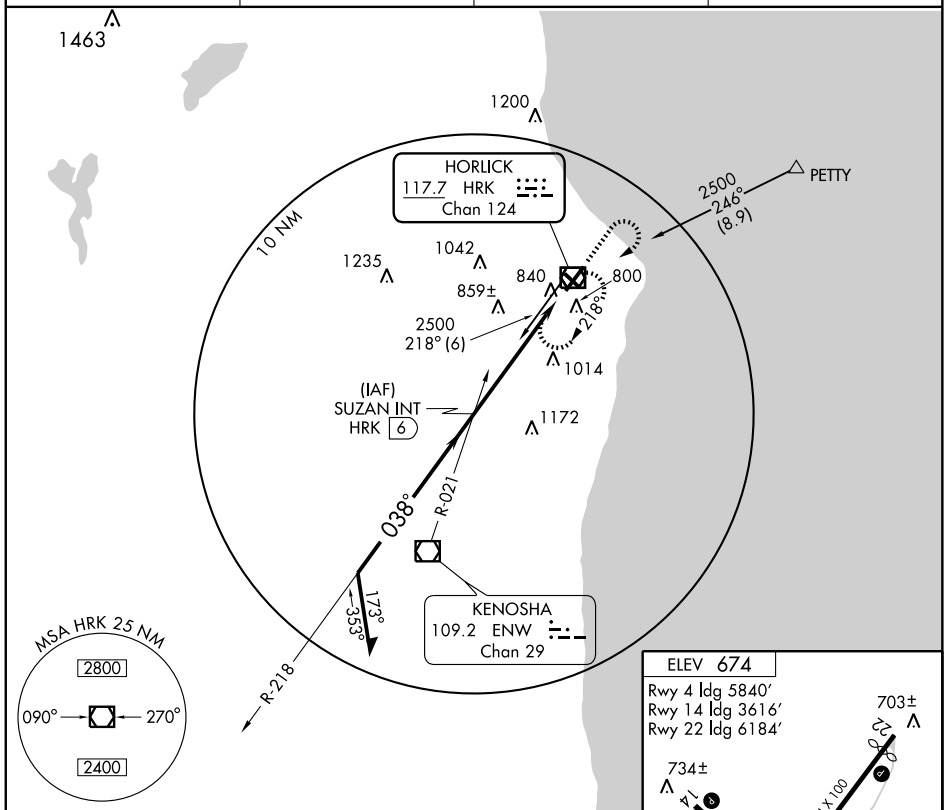
VOR/DME HRK	APP CRS	Rwy ldg	5840
117.7	038°	TDZE	667
Chan 124		Apt Elev	674

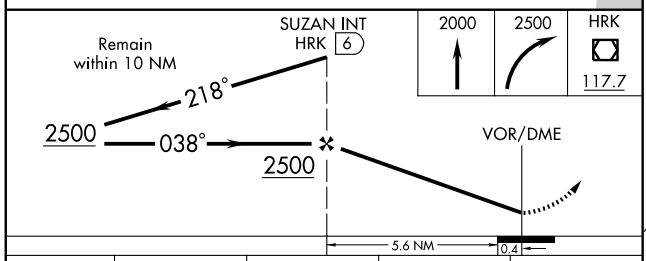
VOR or GPS RWY 4

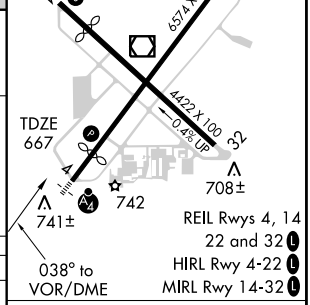
RACINE/JOHN H. BATTEN (RAC)

MISSED APPROACH: Climb to 2000 then climbing right turn to 2500 direct HRK VOR/DME and hold.

ASOS	MILWAUKEE APP CON	CLNC DEL	UNICOM
117.7	120.15 (SOUTH) 317.725	120.15	123.075 (CTAF) L







CATEGORY	A	B	C	D
S-4	1120-1 453 (500-1)		1120-1¼ 453 (500-1¼)	1120-1½ 453 (500-1½)
CIRCLING	1160-1 486 (500-1)		1160-1½ 486 (500-1½)	1240-2 566 (600-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

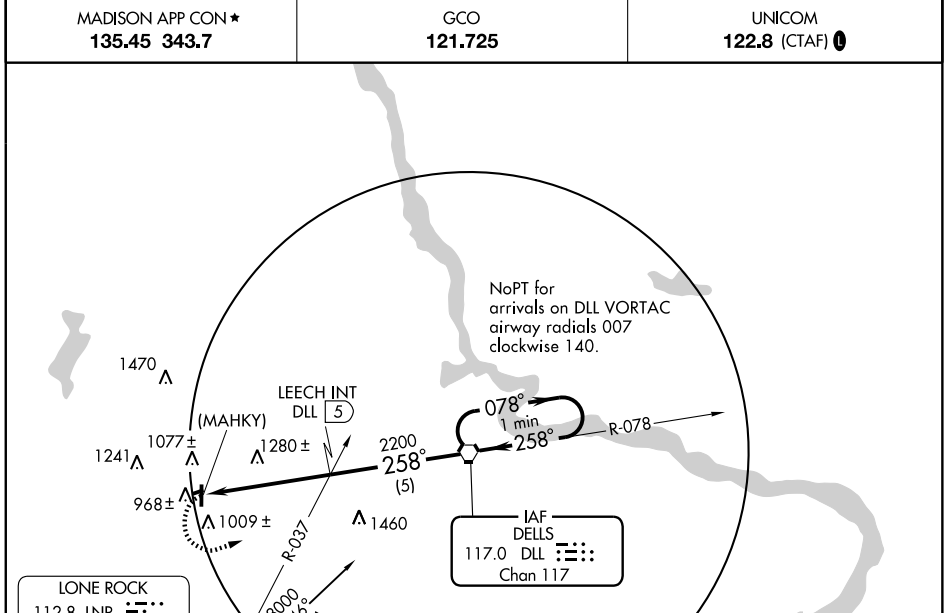
VORTAC DLL 117.0 Chan 117	APP CRS 258°	Rwy ldg N/A TDZE N/A Apt Elev 907

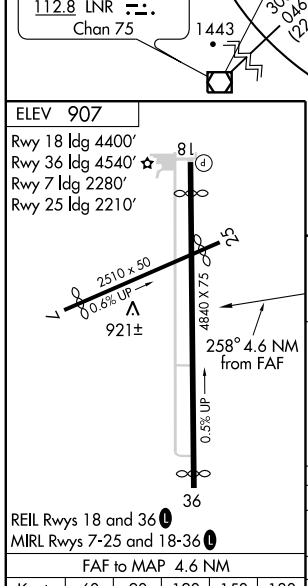
VOR or GPS-A
REEDSBURG MUNI (C35)

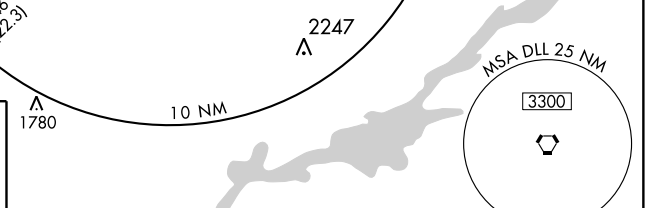
Use Lone Rock altimeter setting; if not received, use Madison altimeter setting.

MISSED APPROACH: Climbing left turn to 2700 direct DLL VORTAC and hold.

MADISON APP CON ★	GCO	UNICOM
135.45 343.7	121.725	122.8 (CTAF) L







FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

CATEGORY	A	B	C	D
CIRCLING	1660-1 755 (800-1)	1660-1¼ 755 (800-1¼)	1660-2¼ 755 (800-2¼)	1660-2½ 755 (800-2½)
MADISON ALTIMETER SETTING MINIMUMS				
CIRCLING	1740-1 835 (900-1)	1740-1¼ 835 (900-1¼)	1740-2½ 835 (900-2½)	1740-2¾ 835 (900-2¾)

LOC I-RHI	APP CRS	Rwy ldg	6799
111.3	087°	TDZE	1624
		Apt Elev	1624

ILS or LOC RWY 9

RHINELANDER-ONEIDA COUNTY (RHI)

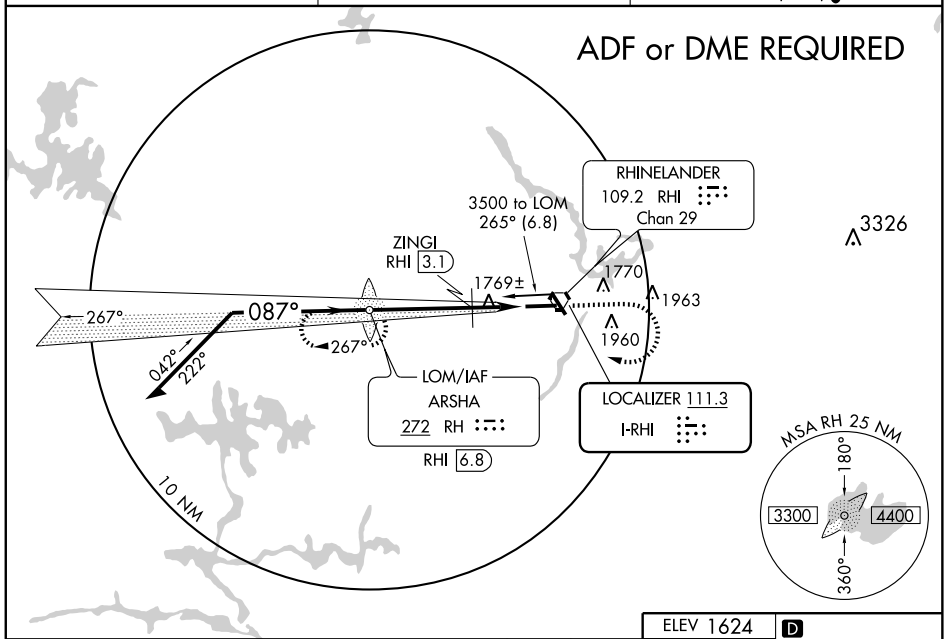
T A NA

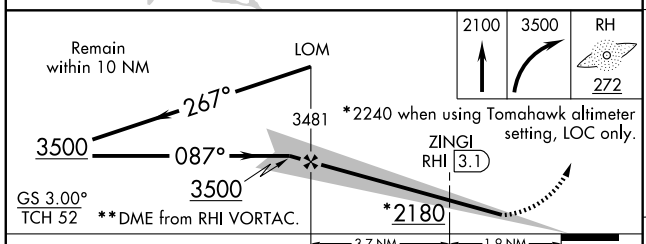
ADF REQUIRED. When local altimeter setting not received, use Tomahawk altimeter setting and increase DA and all MDA 60 feet, increase S-LOC 9 and Circling Cats. C and D visibility ¼ mile, and increase ZINGI Fix Minimums S-LOC 9 and Circling Cats. C and D visibility ¼ mile.
For inoperative MALSR, when using Tomahawk altimeter setting, increase S-ILS 9 all Cats. visibility to 1 mile.

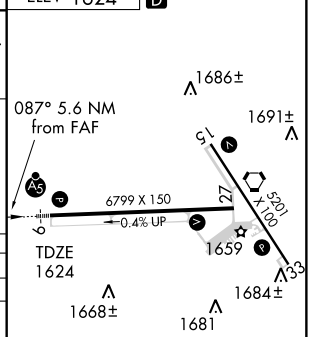
MALSR A5

MISSED APPROACH: Climb to 2100 then climbing right turn to 3500 direct ARSHA LOM and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L







HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

CATEGORY	A	B	C	D
S-ILS 9	1824-½ 200 (200-½)			
S-LOC 9	2180-½ 556 (600-½)		2180-1 556 (600-1)	2180-1¼ 556 (600-1¼)
CIRCLING	2180-1 556 (600-1)	2220-1 596 (600-1)	2260-1¾ 636 (700-1¾)	2260-2 636 (700-2)
ZINGI FIX MINIMUMS**				
S-LOC 9	2020-½ 396 (400-½)			2020-¾ 396 (400-¾)
CIRCLING	2020-1 396 (400-1)	2220-1 596 (600-1)	2260-1¾ 636 (700-1¾)	2260-2 636 (700-2)

FAF to MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6799
087°	TDZE	1623
	Apt Elev	1623

RNAV (GPS) RWY 9
RHINELANDER-ONEIDA COUNTY (RHI)

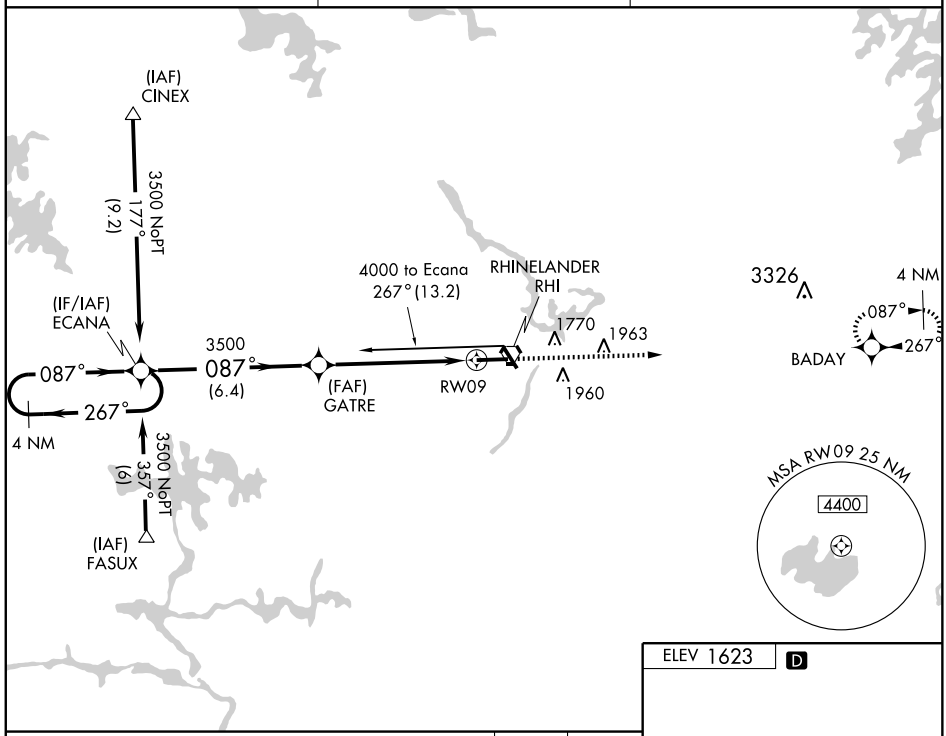
For inoperative MALSR increase LNAV/VNAV Cat. D visibility to 1 mile. Circling NA at night to Rwy 15. Baro/VNAV NA below -18° C (0° F). GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Inoperative table does not apply to LNAV Cat. D.

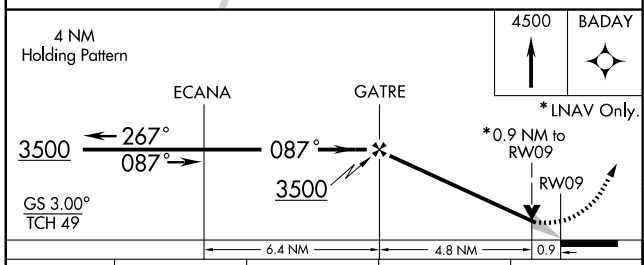
NA

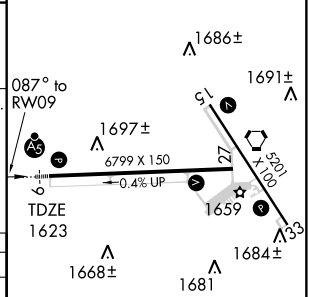
MALSR

MISSED APPROACH: Climb to 4500 direct BADAY WP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF)







CATEGORY	A	B	C	D
GLS DA	NA			
LNAV/VNAV DA	1940-½ 317 (400-½)			1940-¾ 317 (400-¾)
LNAV MDA	1960-½ 337 (400-½)			1960-1 337 (400-1)
CIRCLING	2020-1 397 (400-1)	2220-1 597 (600-1)	2220-1½ 597 (600-1½)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33
REIL Rwys 15, 27 and 33

EC-3. 14 JAN 2010 to 11 FEB 2010

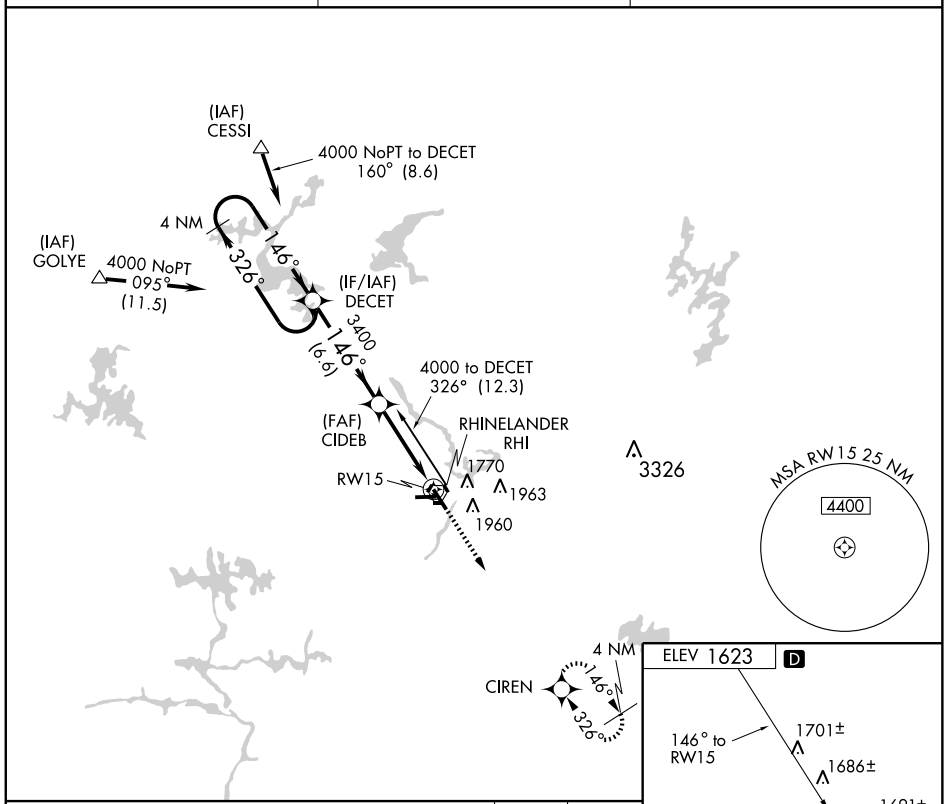
APP CRS	Rwy ldg	5201
146°	TDZE	1599
	Apt Elev	1623

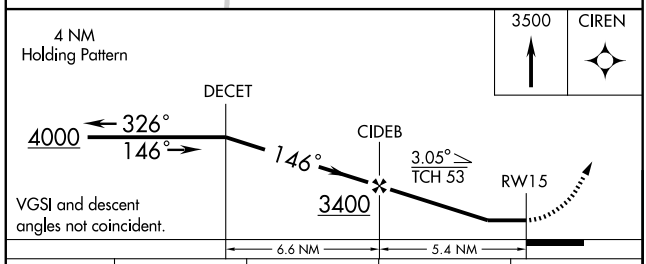
RNAV (GPS) RWY 15
RHINELANDER-ONEIDA COUNTY (RHI)

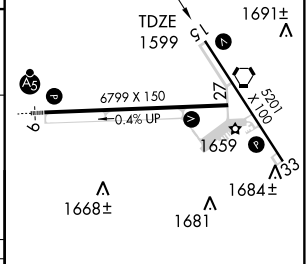
When VGSI inoperative, straight-in/circling Rwy 15 NA at night.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct CIREN WP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1980-1 381 (400-1)			1980-1¼ 381 (400-1¼)
CIRCLING	2020-1 397 (400-1)	2220-1 597 (600-1)	2220-1½ 597 (600-1½)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

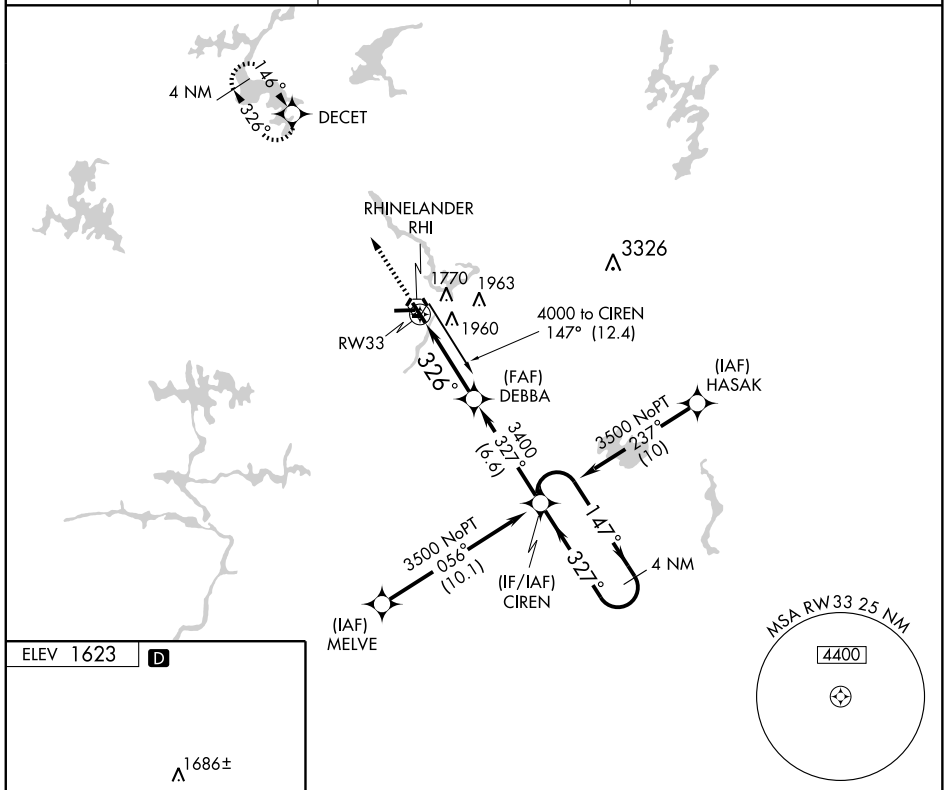
APP CRS	Rwy ldg	5201
326°	TDZE	1605
	Apt Elev	1623

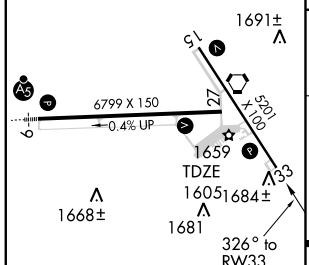
RNAV (GPS) RWY 33
RHINELANDER-ONEIDA COUNTY (RHI)

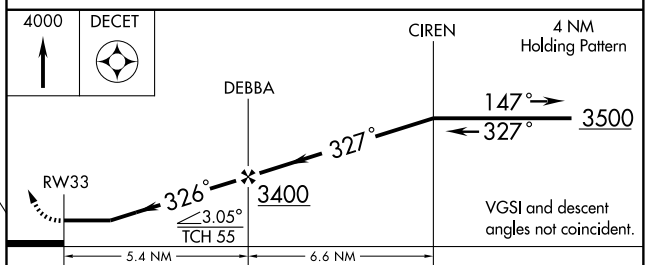
When VGSI inoperative, straight-in/circling Rwy 33 NA at night. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Circling NA at night to Rwy 15.

MISSED APPROACH: Climb to 4000 direct DECET WP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	2120-1 515 (500-1)		2120-1½ 515 (500-1½)	2120-1¾ 515 (500-1¾)
CIRCLING	2120-1 497 (500-1)	2220-1 597 (600-1)	2220-1½ 597 (600-1½)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

APP CRS	Rwy ldg	6799
267°	TDZE	1606
	Apt Elev	1623

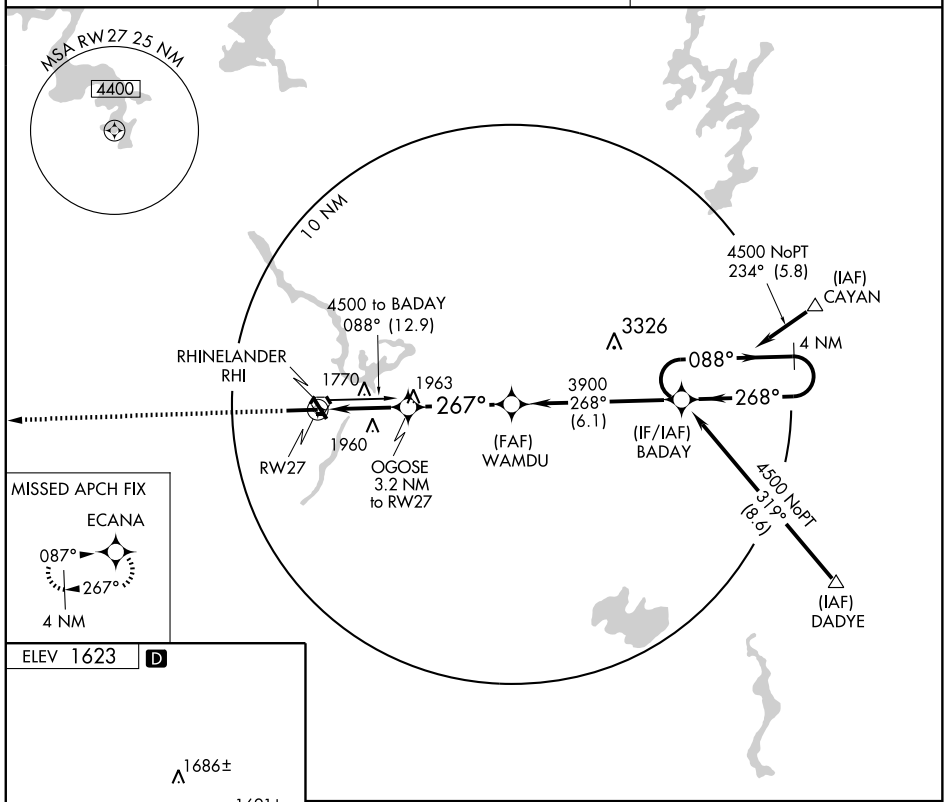
RNAV (GPS) Y RWY 27
RHINELANDER-ONEIDA COUNTY (RHI)

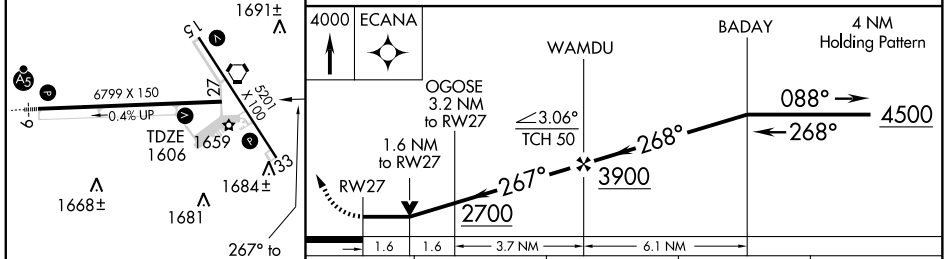
T
A NA

Circling NA at night to Rwy 15.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 4000 direct ECANA WP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	2180-1 574 (600-1)		2180-1½ 574 (600-1½)	2180-1¾ 574 (600-1¾)
CIRCLING	2180-1 557 (600-1)	2220-1 597 (600-1)	2220-1½ 597 (600-1½)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6799
267°	TDZE	1606
	Apt Elev	1623

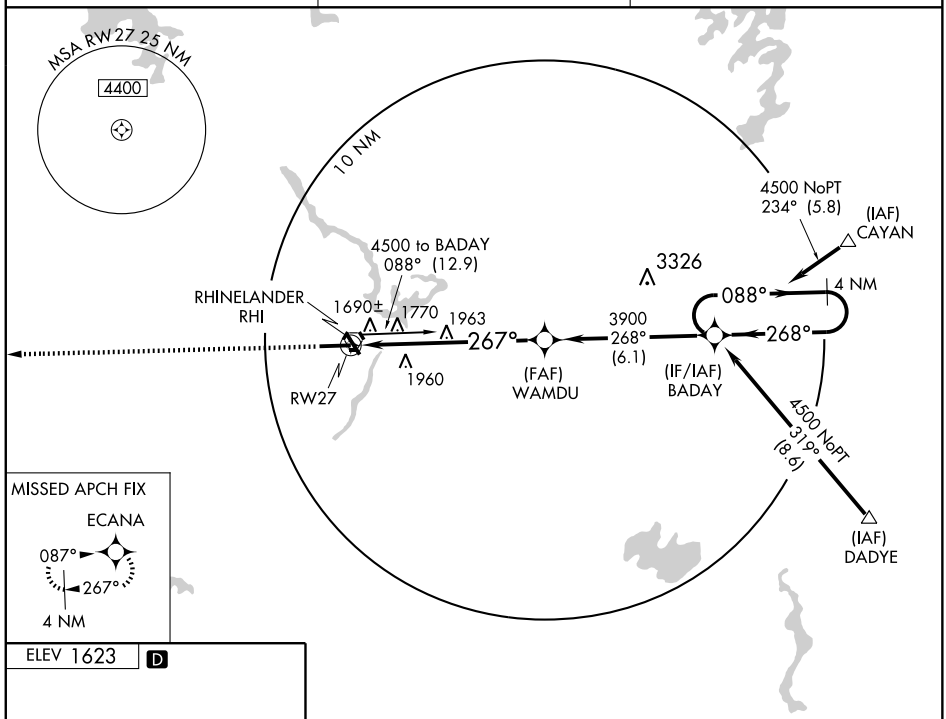
RNAV (GPS) Z RWY 27
RHINELANDER-ONEIDA COUNTY (RHI)

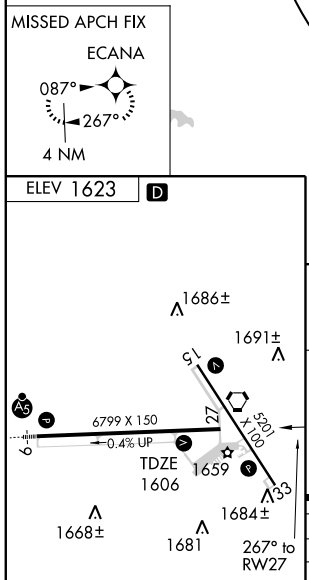
NA

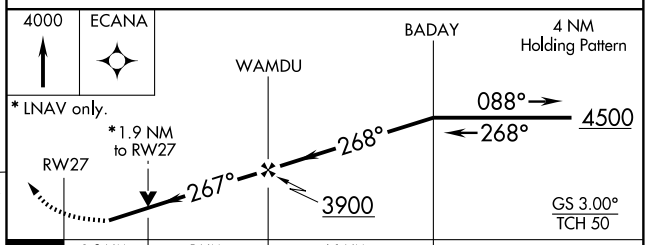
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
Baro/VNAV NA below -18° C (0° F).
Circling NA at night to Rwy 15.

MISSED APPROACH: Climb to 4000 direct ECANA WP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L







CATEGORY	A	B	C	D
GLS DA	NA			
LNAV/VNAV DA	1980-1¼ 374 (400-1¼)			
LNAV MDA	2260-1 654 (700-1)		2260-1¾ 654 (700-1¾)	2260-2 654 (700-2)
CIRCLING	2260-1¼ 637 (700-1¼)		2260-1¾ 637 (700-1¾)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

EC-3, 14 JAN 2010 to 11 FEB 2010

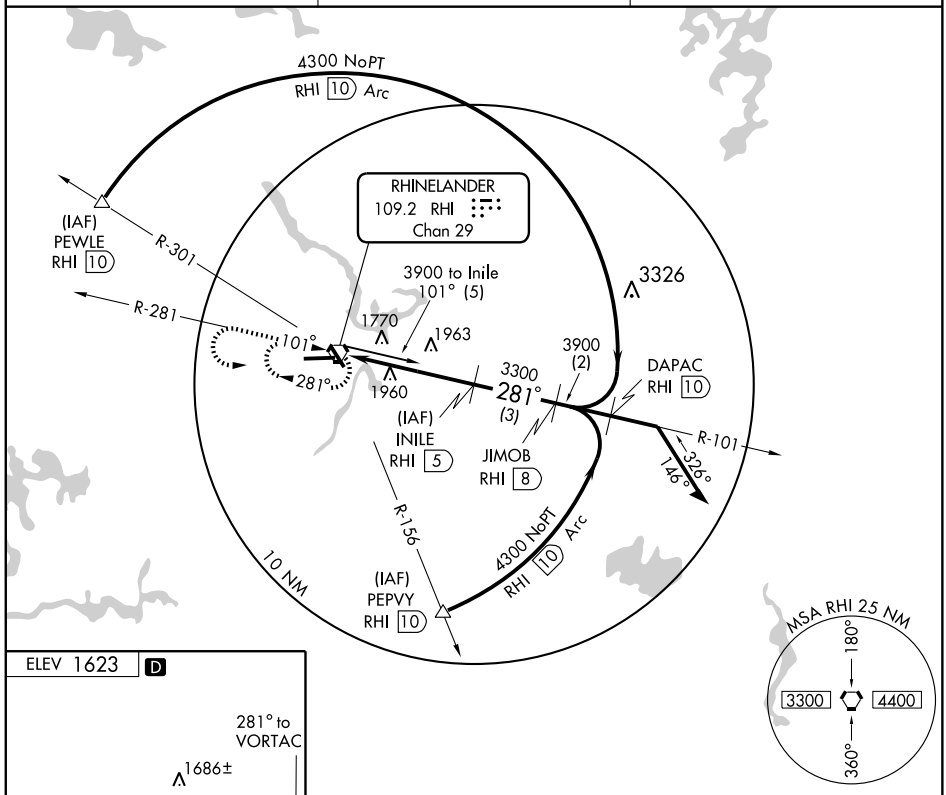
VORTAC RHI 109.2 Chan 29	APP CRS 281°	Rwy ldg 6799 TDZE 1606 Apt Elev 1623

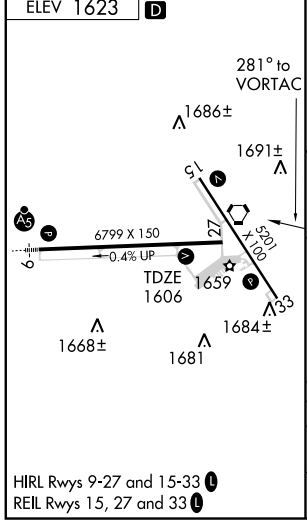
VOR/DME RWY 27
RHINELANDER-ONEIDA COUNTY (RHI)

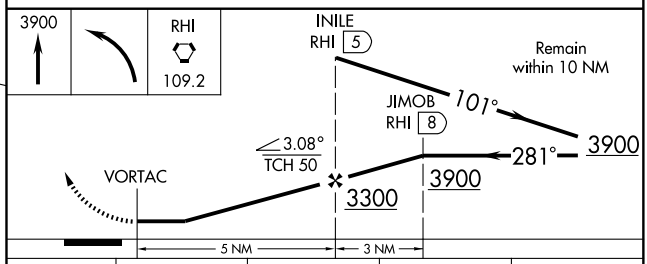
Circling NA at night to Rwy 15.

MISSED APPROACH: Climb to 3900 then left turn direct RHI VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-27	2220-1	614 (600-1)	2220-1¾ 614 (600-1¾)	2220-2 614 (600-2)
CIRCLING	2220-1	597 (600-1)	2220-1¾ 597 (600-1¾)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

VORTAC RHI 109.2 Chan 29	APP CRS 081°	Rwy ldg 6799 TDZE 1623 Apt Elev 1623

VOR RWY 9

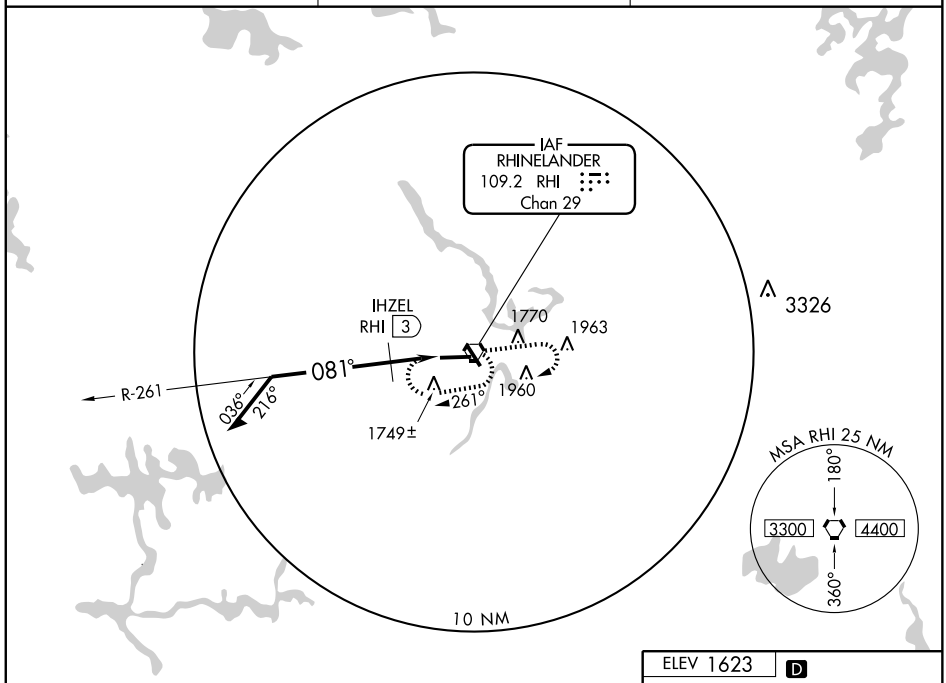
RHINELANDER-ONEIDA COUNTY (RHI)

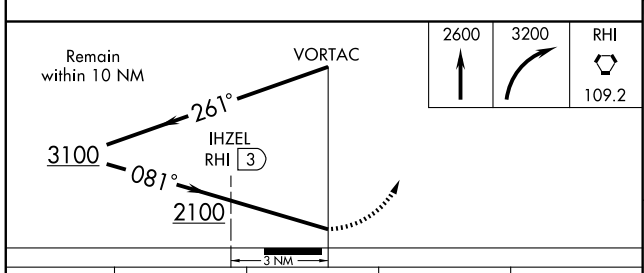
For inoperative MALSR, increase S-9 Cat. D DME minimums visibility to 1¼ .
Circling NA at night to Rwy 15.

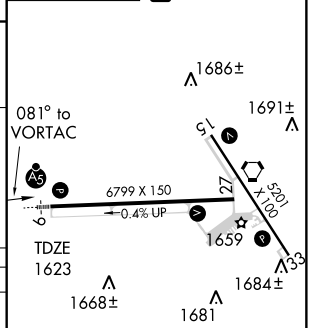
MALSR

MISSED APPROACH: Climb to 2600 then climbing right turn to 3200 direct RHI VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.825	133.65 281.5	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-9	2100-½ 477 (500-½)		2100-¾ 477 (500-¾)	2100-1 477 (500-1)
CIRCLING	2100-1 477 (500-1)	2220-1 597 (600-1)	2220-1½ 597 (600-1½)	2280-2 657 (700-2)
DME MINIMUMS				
S-9	2000-½ 377 (400-½)			2000-1 377 (400-1)
CIRCLING	2060-1 437 (500-1)	2220-1 597 (600-1)	2220-1½ 597 (600-1½)	2280-2 657 (700-2)

HIRL Rwys 9-27 and 15-33 L
REIL Rwys 15, 27 and 33 L

EC-3. 14 JAN 2010 to 11 FEB 2010

RICE LAKE, WISCONSIN

AL-9210 (FAA)

LOC I-RPD	APP CRS	Rwy ldg	6500
108.3	010°	TDZE	1101
		Apt Elev	1107

ILS or LOC RWY 1

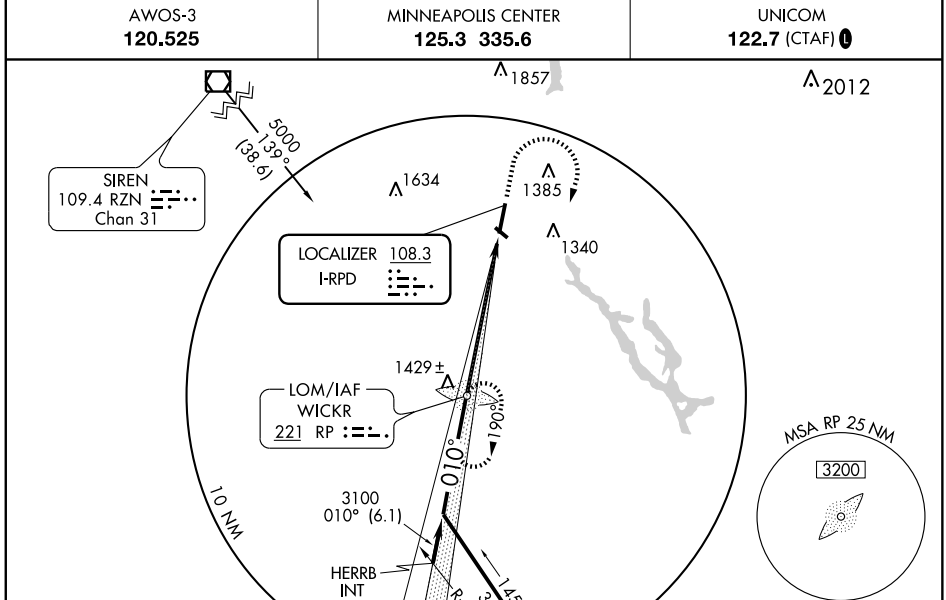
RICE LAKE RGNL-CARL'S FIELD (RPD)

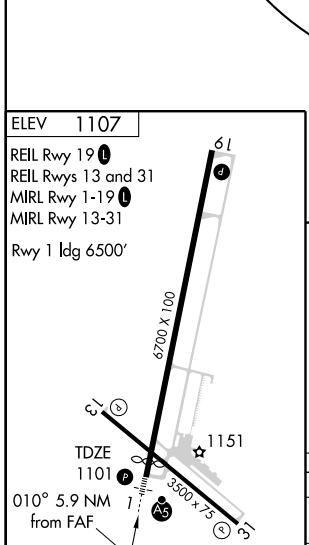
If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting; increase DA to 1410 feet and increase all MDAs 120 feet. Circling to Rwy 13-31 NA at night. ADF REQUIRED.

MALSR

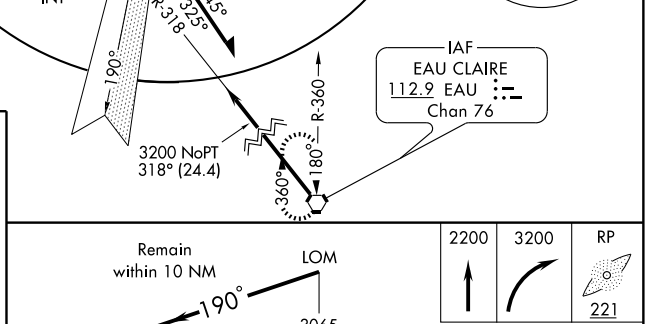
MISSED APPROACH: Climb to 2200 then climbing right turn to 3200 direct WICKR LOM and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.525	125.3 335.6	122.7 (CTAF)





FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-ILS 1	1301-½ 200 (200-½)			
S-LOC 1	1620-½ 519 (600-½)		1620-1 519 (600-1)	1620-1¼ 519 (600-1¼)
CIRCLING	1620-1 513 (600-1)		1640-1½ 533 (600-1½)	1740-2 633 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

RICE LAKE, WISCONSIN

AL-9210 (FAA)

WAAS CH 86217 W01A	APP CRS 010°	Rwy ldg 6500 TDZE 1101 Apt Elev 1107

RNAV (GPS) RWY 1

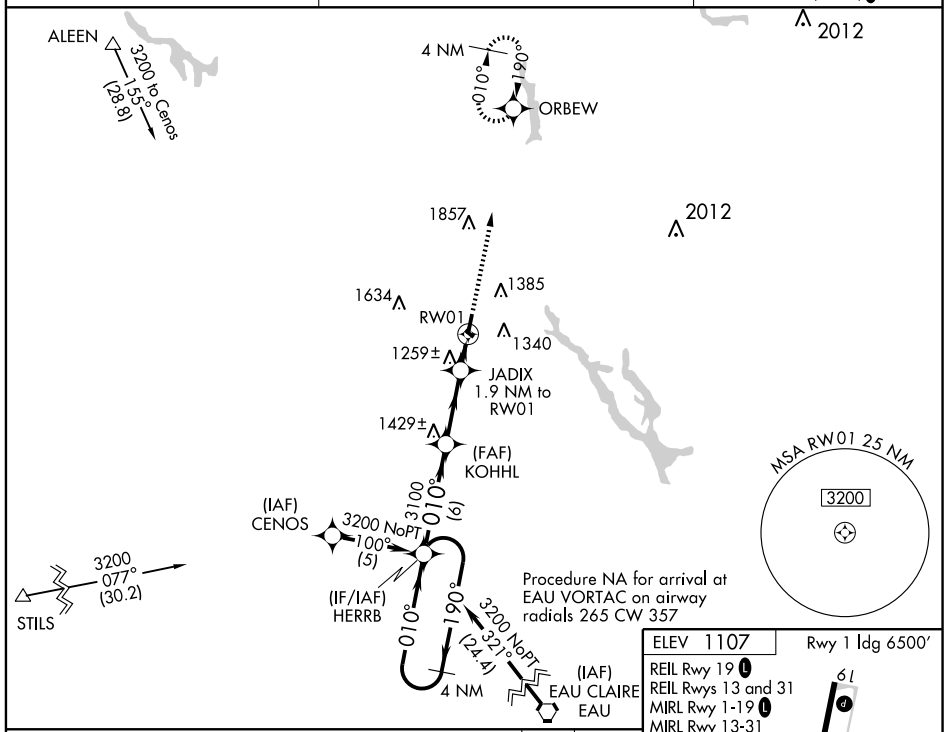
RICE LAKE RGNL-CARL'S FIELD (RPD)

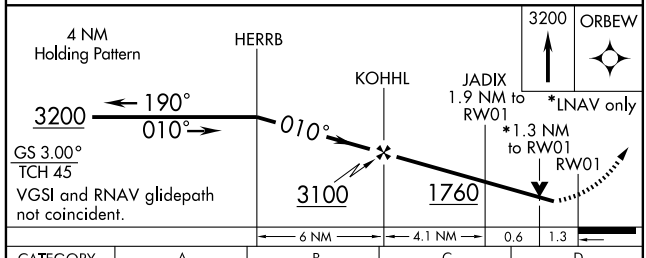
If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase all DAs/MDAs 120 feet. DME/DME RNP-0.3 NA. Baro-VNAV NA below -17° C (3° F). Baro VNAV and VDP NA when using Chippewa Valley Rgnl altimeter setting. For inoperative MALSR, increase LPV visibilty to 1 and LNAV Cat D visibility to 1¼.

MALSR

MISSED APPROACH: Climb to 3200 direct ORBEW and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.525	125.3 335.6	122.7(CTAF)

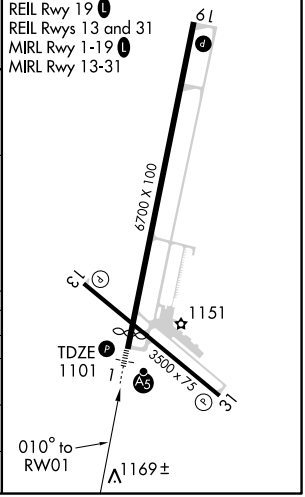




CATEGORY	A	B	C	D
LPV DA	1390-½ 289 (300-½)			
LNAV/VNAV DA	1440-¾ 339 (400-¾)			
LNAV MDA	1520-½ 419 (500-½)		1520-¾ 419 (500-¾)	1520-1 419 (500-1)
CIRCLING	1600-1¼ 493 (500-1¼)		1640-1½ 533 (600-1½)	1740-2 633 (700-2)

ELEV 1107 Rwy 1 ldg 6500′

REIL Rwy 19
REIL Rwys 13 and 31
MIRL Rwy 1-19
MIRL Rwy 13-31



EC-3, 14 JAN 2010 to 11 FEB 2010

RICE LAKE, WISCONSIN

AL-9210 (FAA)

APP CRS	Rwy ldg	6700
190°	TDZE	1109
	Apt Elev	1109

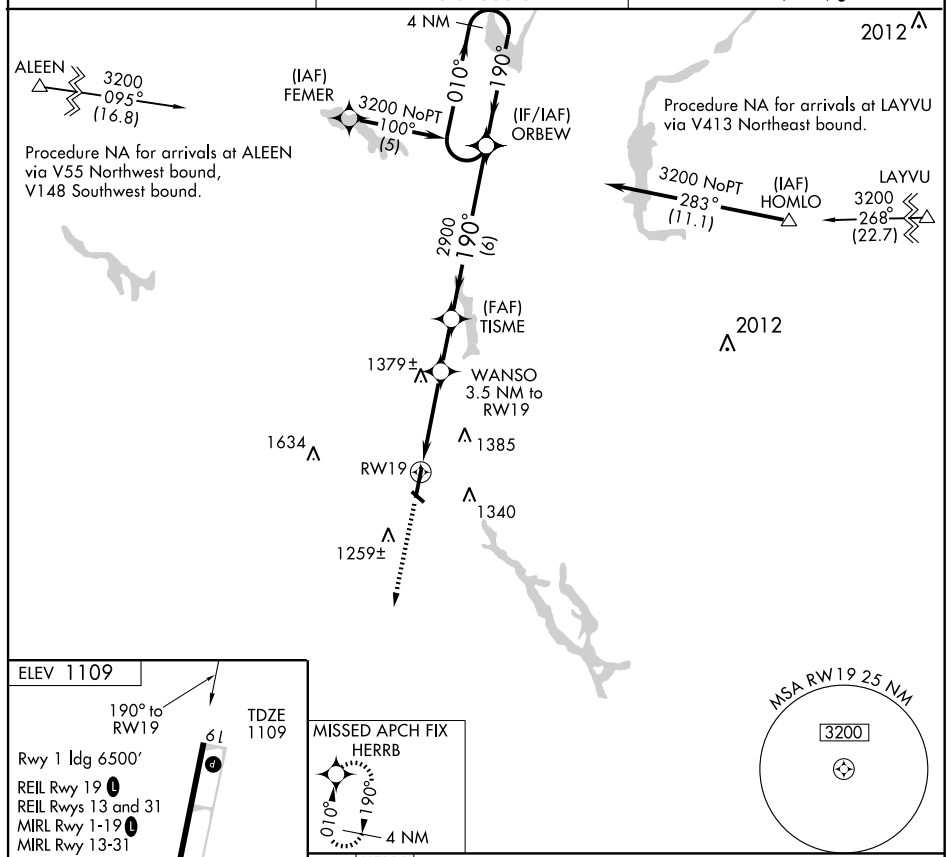
RNAV (GPS) RWY 19

RICE LAKE RGNL-CARL'S FIELD (RPD)

When local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase all MDAs 120 feet, increase LNAV Cat C/D visibility ¼ mile and circling Cat C/D visibility ½ mile. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3200 direct HERRB and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.525	125.3 335.6	122.7 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	1640-1 531 (600-1)		1640-1½ 531 (600-1½)	1640-1¾ 531 (600-1¾)
CIRCLING	1640-1 531 (600-1)		1700-1½ 591 (600-1½)	1740-2 631 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

RICE LAKE, WISCONSIN

AL-9210 (FAA)

VOR/DME RPD	APP CRS	Rwy ldg	6700
110.0	196°	TDZE	1109
Chan 37		Apt Elev	1109

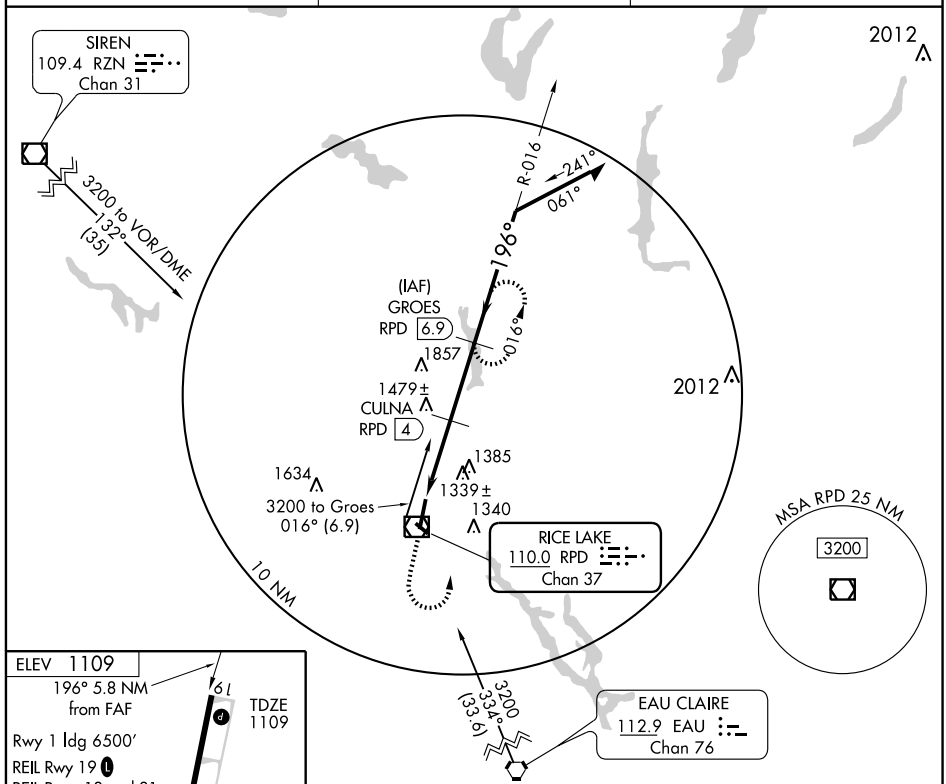
VOR/DME RWY 19

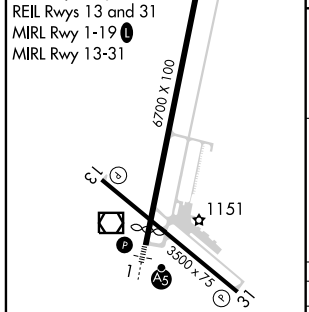
RICE LAKE RGNL-CARL'S FIELD (RPD)

If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase all MDAs 120 feet.
VDP NA when using Chippewa Valley Rgnl altimeter setting.

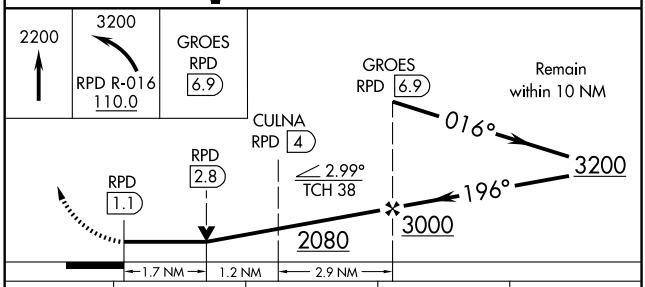
MISSED APPROACH: Climb to 2200 then climbing left turn to 3200 via RPD R-016 to GROES/ 6.9 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.525	125.3 335.6	122.7 (CTAF) L





Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-19	1700-1 591 (600-1)		1700-1½ 591 (600-1½)	1700-1¾ 591 (600-1¾)
CIRCLING	1700-1 591 (600-1)		1700-1½ 591 (600-1½)	1740-2 631 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

RICE LAKE, WISCONSIN

AL-9210 (FAA)

VOR/DME RPD	APP CRS	Rwy ldg	6500
110.0	359°	TDZE	1101
Chan 37		Apt Elev	1109

VOR RWY 1

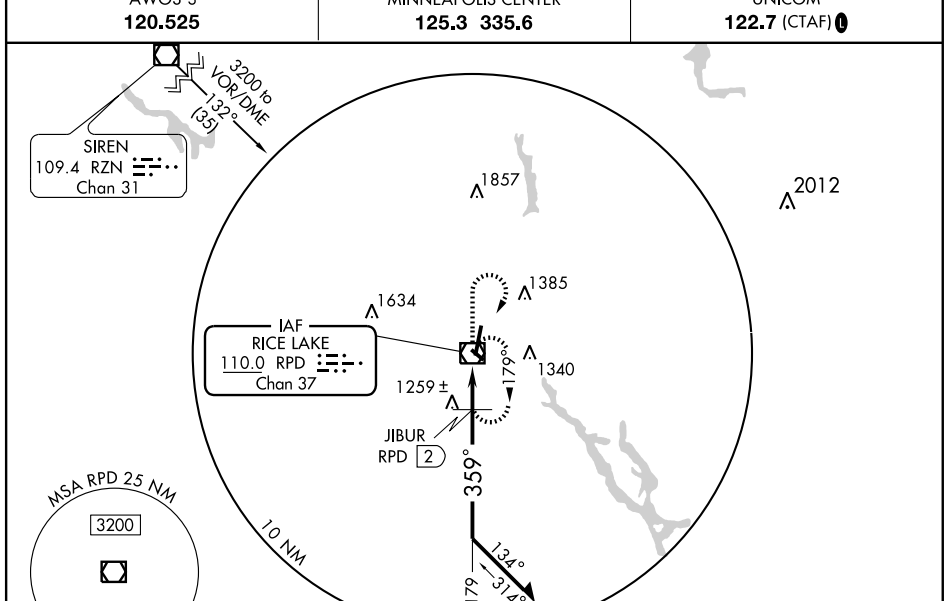
RICE LAKE RGNL-CARL'S FIELD (RPD)

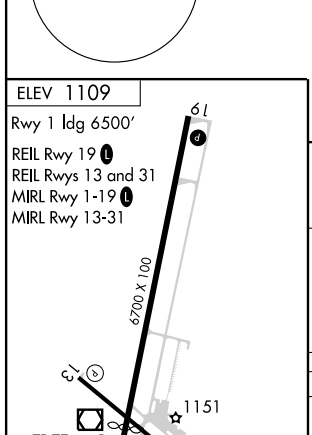
If local altimeter setting not received, use Chippewa Valley Rgnl altimeter setting and increase all MDAs 120 feet. VDP NA when using Chippewa Valley Rgnl altimeter setting. For inoperative MALSR increase JIBUR fix minimums S-1 CAT D visibility to 1¼ mile.

MALSR

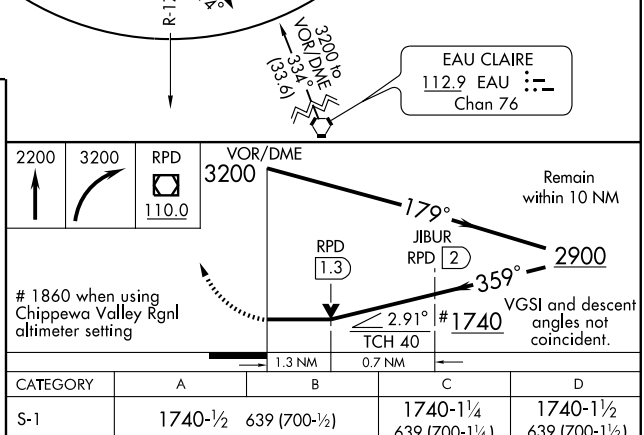
MISSED APPROACH: Climb to 2200, then climbing right turn to 3200 direct RPD VOR/DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
120.525	125.3 335.6	122.7 (CTAF) L





Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-1	1740-½ 639 (700-½)		1740-1¼ 639 (700-1¼)	1740-1½ 639 (700-1½)
CIRCLING	1740-1 631 (700- 1)		1740-1¾ 631 (700-1¾)	1740-2 631 (700-2)
JIBUR FIX MINIMUMS				
S-1	1520-½ 419 (500-½)		1520-¾ 419 (500-¾)	1520-1 419 (500-1)
CIRCLING	1600-1 491 (500-1)		1700-1½ 591 (600-1½)	1740-2 631 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR/DME LNR 112.8 Chan 75	APP CRS 264°	Rwy ldg N/A TDZE N/A Apt Elev 742

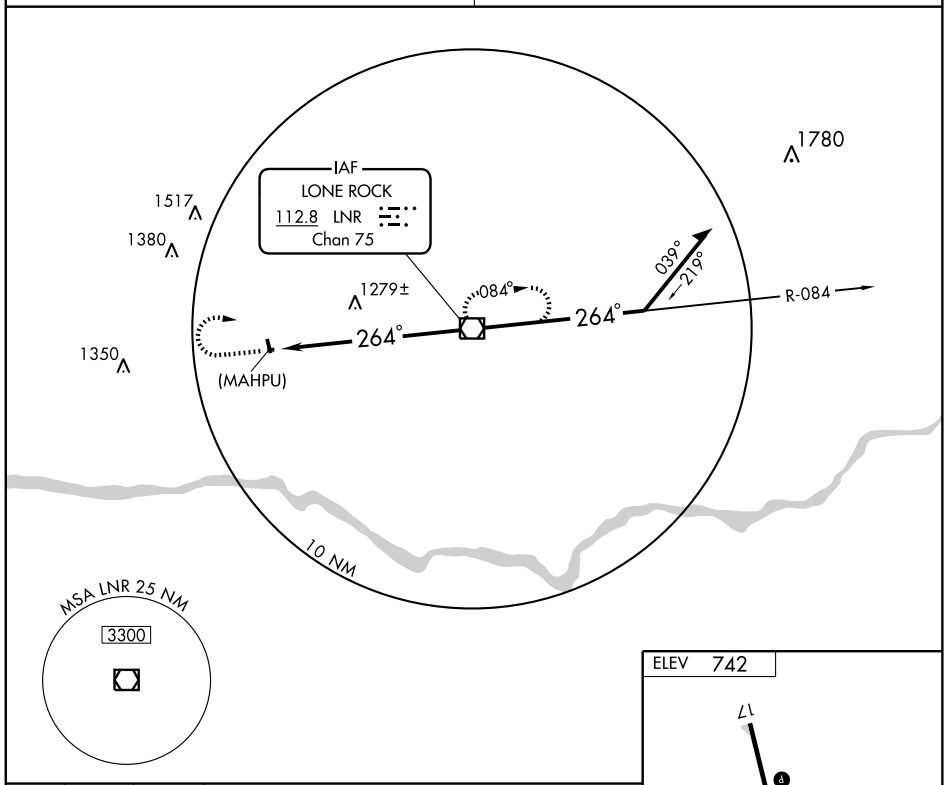
VOR or GPS-A
RICHLAND (93C)

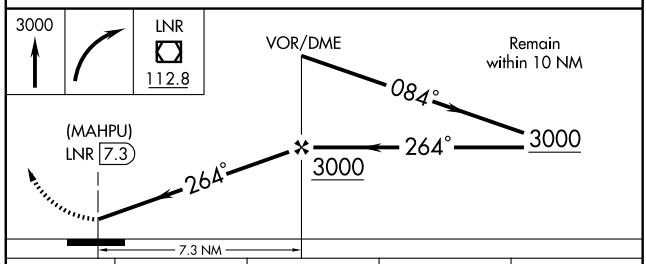
Use Lone Rock altimeter setting; if not received, use Madison altimeter setting.

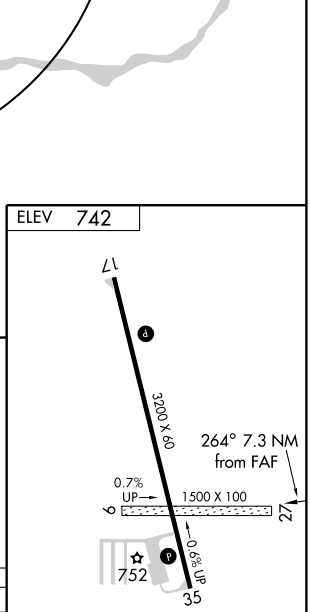
NA

MISSED APPROACH: Climb to 3000 then right turn direct LNR VOR/DME and hold.

CHICAGO CENTER	CTAF
133.3 380.35	122.9 L







MIRL Rwy 17-35 L
REIL Rwys 17 and 35 L

CATEGORY	A	B	C	D
CIRCLING	1620-1 878 (900-1)	1620-1¼ 878 (900-1¼)	NA	
MADISON ALTIMETER SETTING MINIMUMS				
CIRCLING	1800-1¼ 1058 (1100-1¼)	1800-1½ 1058 (1100-1½)	NA	

FAF to MAP 7.3 NM

Knots	60	90	120	150	180
Min:Sec	7:18	4:52	3:39	2:55	2:26

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3900
295°	TDZE	811
	Apt Elev	811

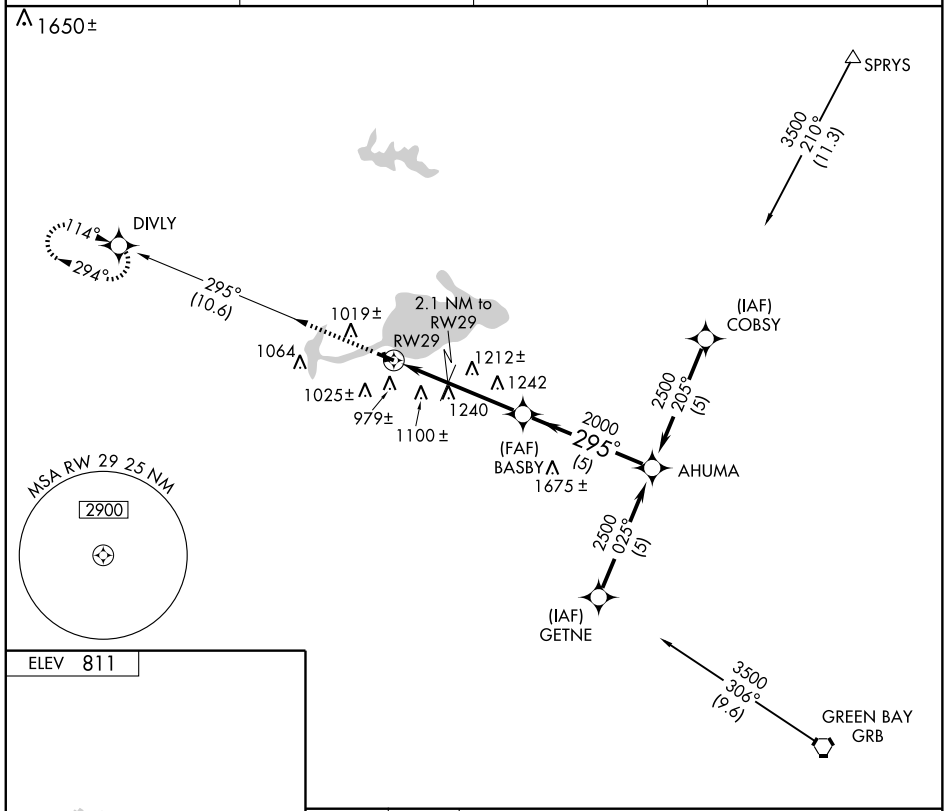
GPS RWY 29
SHAWANO MUNI (EZS)

NA

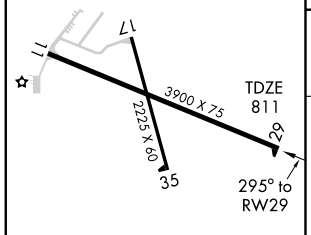
Use Green Bay (Austin Straubel Intl) altimeter setting.

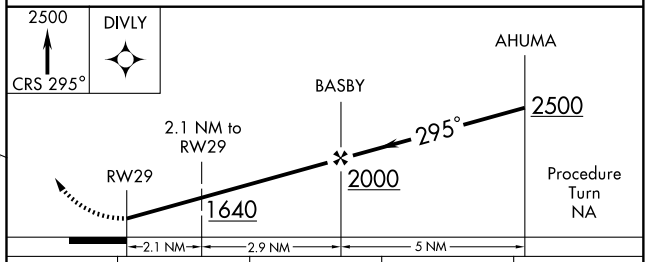
MISSED APPROACH: Climb to 2500 via 295° course to DIVLY WP and hold.

AWOS-3	GREEN BAY APP CON ★	GCO	UNICOM
118.65	119.4 338.2	121.725	122.8 (CTAF) L



ELEV 811





CATEGORY	A	B	C	D
S-29	1460-1 649 (700-1)		1460-1¾ 649 (700-1¾)	1460-2 649 (700-2)
CIRCLING	1460-1 649 (700-1)		1480-1¾ 669 (700-1¾)	1580-2½ 769 (800-2½)

MIRL Rwy 11-29 and 17-35 L

EC-3, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-HEV	APP CRS	Rwy ldg	6802
110.7	217°	TDZE	743
Chan 44		Apt Elev	755

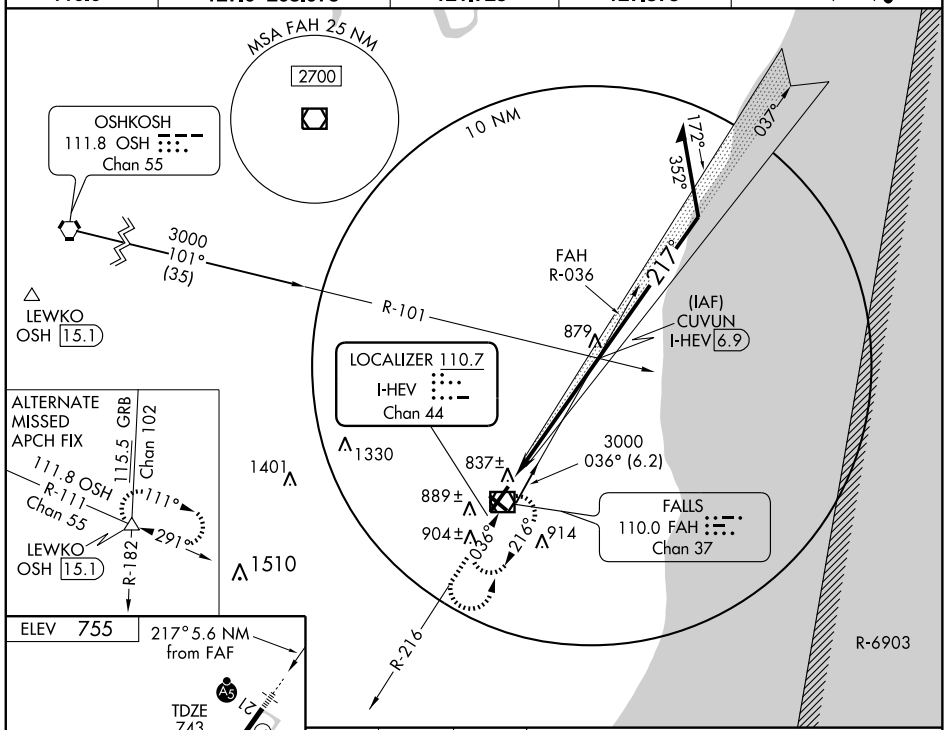
ILS or LOC/DME RWY 21
SHEBOYGAN COUNTY MEMORIAL (SBM)

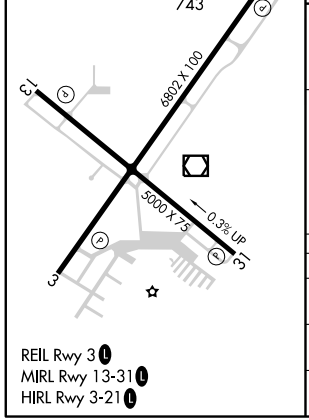
When VGSI inop, Circling Rwy 13-31 NA at night. When local altimeter setting not received, use Manitowoc altimeter setting and increase DA 67 feet and increase all MDA 80 feet, increase S-LOC 21Cat C/D visibility ¼ mile. VDP NA when using Manitowoc altimeter setting. For inoperative MALSR when using Mantowoc altimeter setting increase S-ILS 21 all Cats visibility to 1 mile.

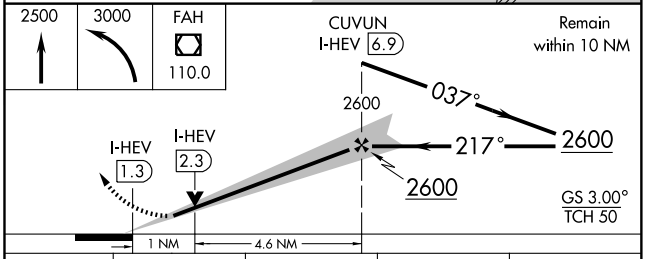
MALSR

MISSED APPROACH: Climb to 2500 then climbing left turn to 3000 direct FAH VOR/DME and hold.

ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF)







CATEGORY	A	B	C	D
S-ILS 21	992-½ 249 (300-½)			
S-LOC 21	1120-½ 377 (400-½)			1120-¾ 377 (400-¾)
CIRCLING	1220-1 465 (500-1)		1220-1½ 465 (500-1½)	1320-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

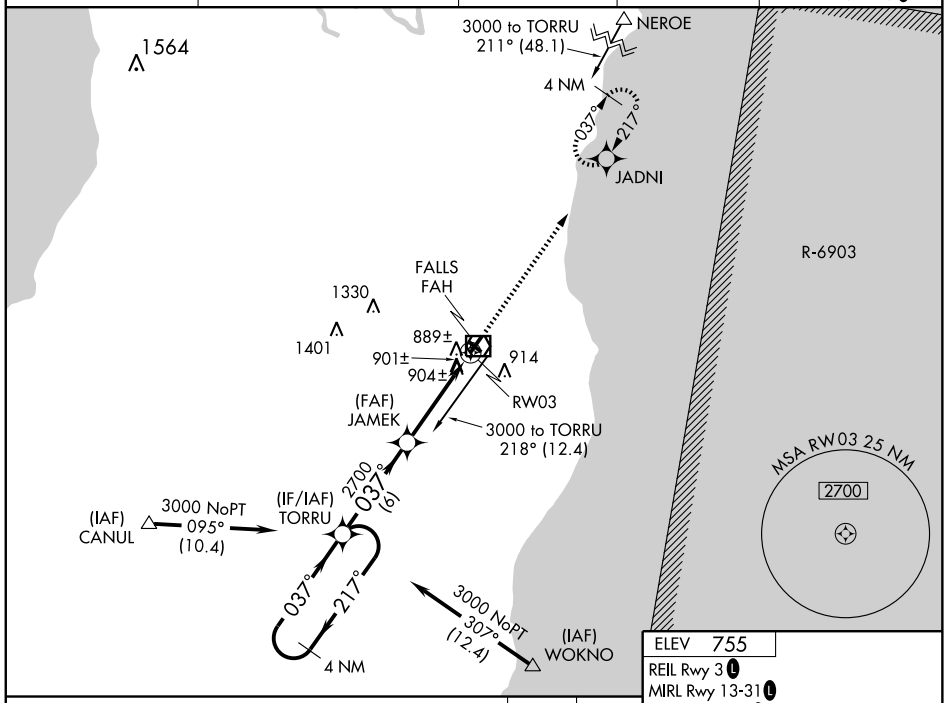
WAAS CH 61104 W03A	APP CRS 037°	Rwy ldg 6802 TDZE 744 Apt Elev 755

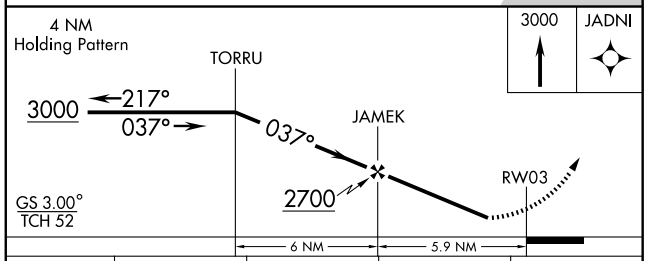
RNAV (GPS) RWY 3
SHEBOYGAN COUNTY MEMORIAL (SBM)

When VGSI inop, Circling Rwy 13-31 NA at night. Baro-VNAV NA when using Manitowoc altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116° F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Manitowoc altimeter setting and increase all DA 67 feet and all MDA 80 feet, increase LPV, LNAV/VNAV all Cats and LNAV Cat D visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct JADNI and hold.

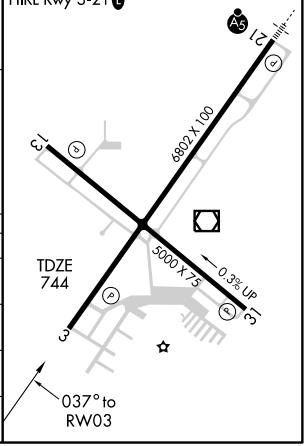
ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1041-1 297 (300-1)			
LNAV/VNAV DA	1214-1¾ 470 (500-1¾)			
LNAV MDA	1160-1 416 (500-1)		1160-1¼ 416 (500-1¼)	
CIRCLING	1220-1 465 (500-1)		1220-1½ 465 (500-1½)	1320-2 565 (600-2)

ELEV 755
REIL Rwy 3 L
MIRL Rwy 13-31 L
HIRL Rwy 3-21 L



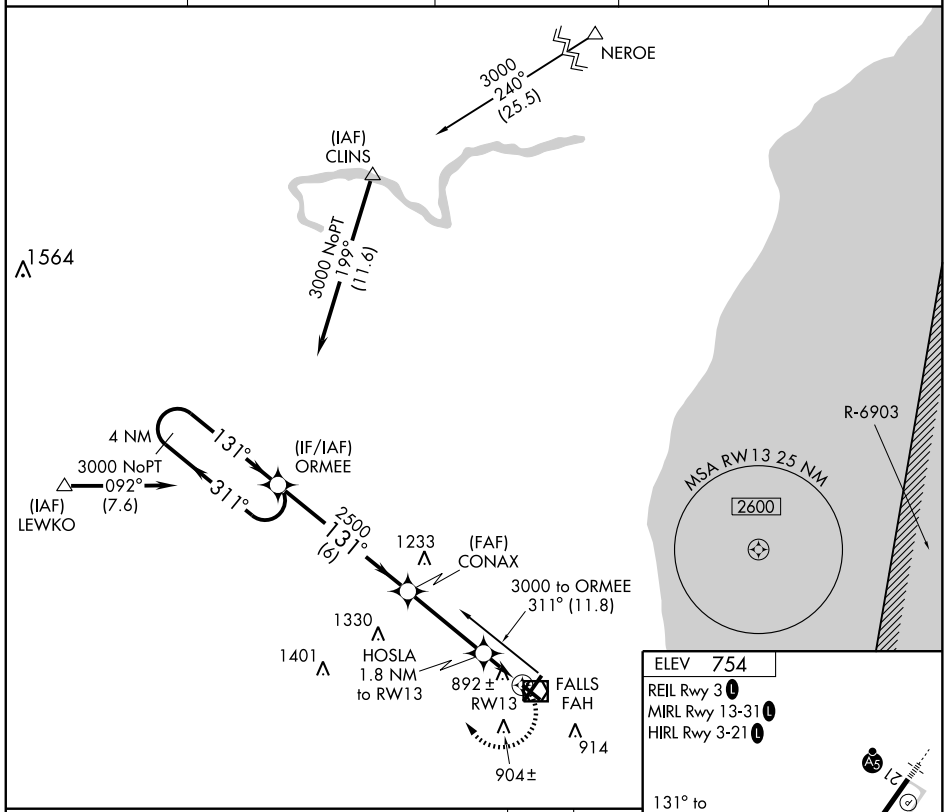
APP CRS	Rwy ldg	5000
131°	TDZE	749
	Apt Elev	754

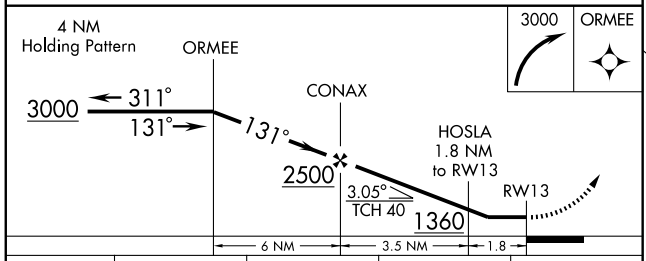
RNAV (GPS) RWY 13
SHEBOYGAN COUNTY MEMORIAL (SBM)

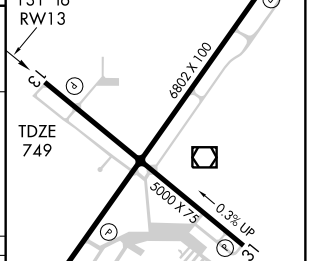
If local altimeter setting not received, use Manitowoc County altimeter setting and increase all MDAs 80 feet. When VGSI inop, straight-in/circling Rwy 13-31 procedure NA at night. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing right turn to 3000 direct ORMEE and hold.

ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1160-1 411 (500-1)		1160-1¼ 411 (500-1¼)	
CIRCLING	1200-1 446 (500-1)	1220-1 466 (500-1)	1220-1½ 466 (500-1½)	1320-2 566 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 65904 W21A	APP CRS 217°	Rwy ldg 6802 TDZE 743 Apt Elev 755

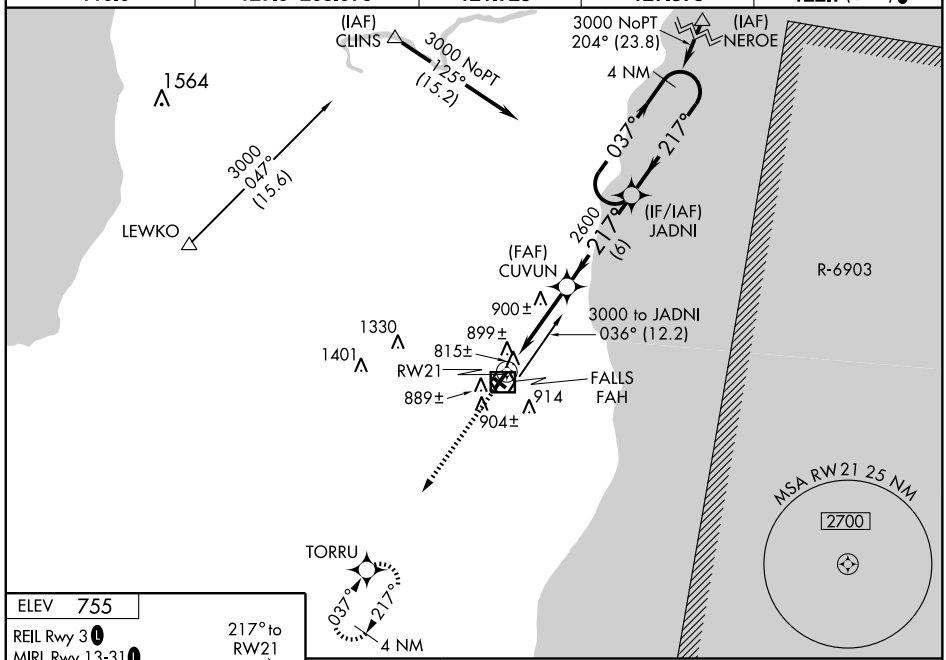
RNAV (GPS) RWY 21
SHEBOYGAN COUNTY MEMORIAL (SBM)

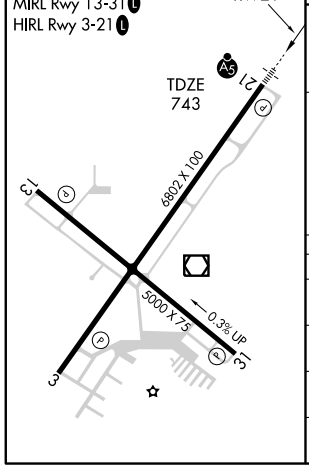
When VGSI inop, Circling Rwy 13-31 NA at night. For inoperative MALSR, increase LPV all Cats visibility to 1 and LNAV Cat D visibility to 1¼. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116° F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Manitowoc altimeter setting and increase all DA 67 feet and all MDA 80 feet, increase LPV all Cats visibility ¼ mile. Baro-VNAV and VDP NA when using Manitowoc altimeter setting. For inoperative MALSR when using Manitowoc altimeter setting, increase LPV all Cats visibility to 1¼ mile.

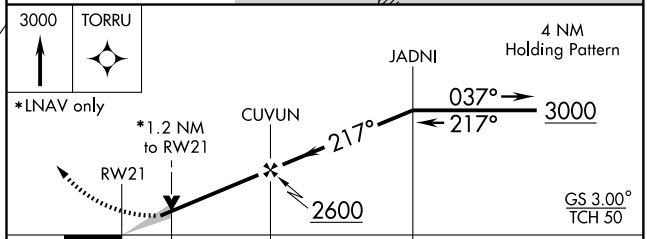
MALSR

MISSED APPROACH: Climb to 3000 direct TORRU and hold.

ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1059-½ 316 (400-½)			
LNAV/VNAV DA	1209-1¼ 466 (500-1¼)			
LNAV MDA	1160-½ 417 (500-½)		1160-¾ 417 (500-¾)	1160-1 417 (500-1)
CIRCLING	1220-1 465 (500-1)		1220-1½ 465 (500-1½)	1320-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

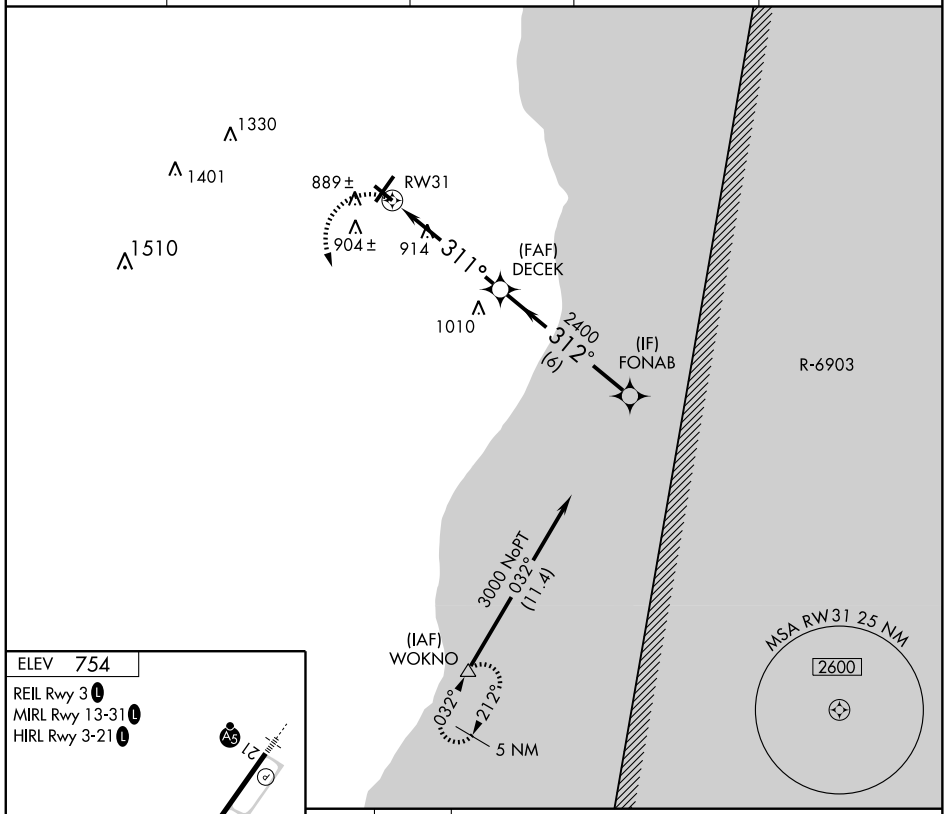
APP CRS	Rwy ldg	5000
311°	TDZE	744
	Apt Elev	754

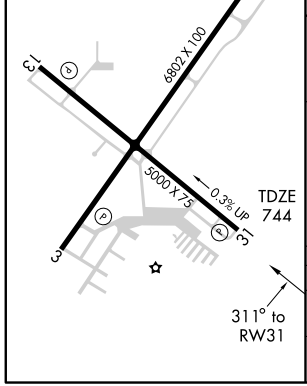
RNAV (GPS) RWY 31
SHEBOYGAN COUNTY MEMORIAL (SBM)

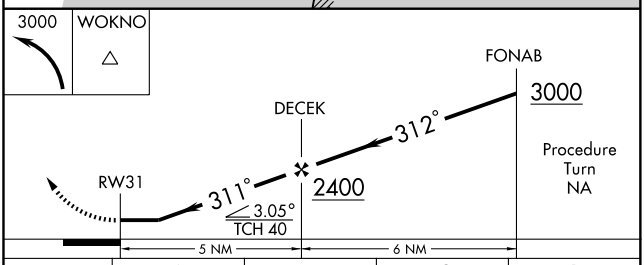
If local altimeter setting not received, use Manitowoc County altimeter setting and increase all MDAs 80 feet. When VGSI inop, Straight-in/Circling Rwy 13-31 procedure NA at night. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 3000 direct WOKNO and hold.

ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1220-1 476 (500-1)		1220-1¼ 476 (500-1¼)	1220-1½ 476 (500-1½)
CIRCLING	1220-1 466 (500-1)		1220-1½ 466 (500-1½)	1320-2 566 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR/DME FAH	APP CRS	Rwy ldg	6802
110.0	046°	TDZE	744
Chan 37		Apt Elev	755

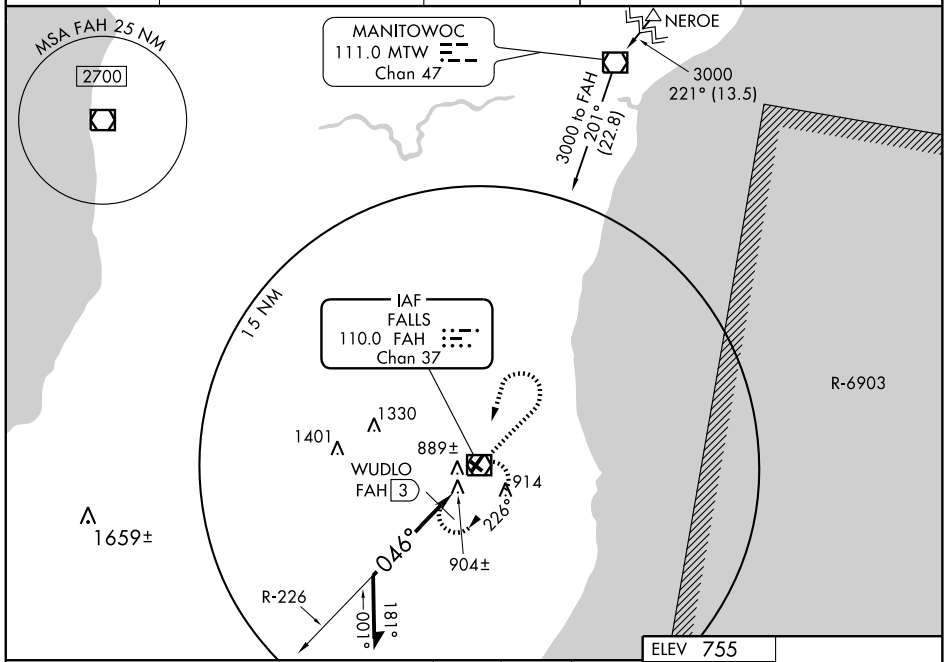
VOR RWY 3

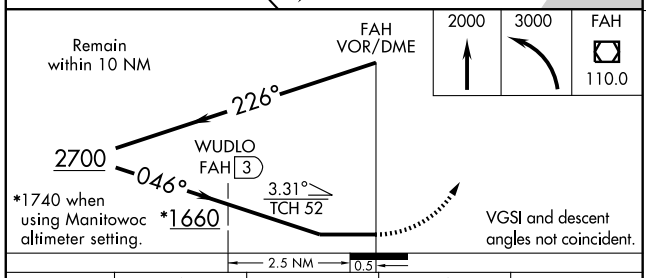
SHEBOYGAN COUNTY MEMORIAL (SBM)

When VGSI inop, Circling to Rwy 13-31 NA at night. When local altimeter setting not received, use Manitowoc altimeter setting and increase all MDA 80 feet, increase Cat B/C visibility ¼ mile, WUDLO fix minimums Cat D visibility ¼ mile. When using Manitowoc altimeter setting Cat D and straight-in WUDLO fix minimums NA.

MISSED APPROACH: Climb to 2000 then climbing left turn to 3000 direct FAH VOR/DME and hold.

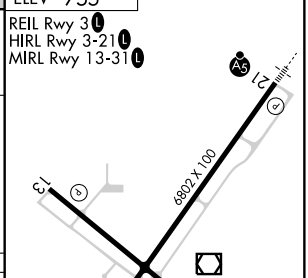
ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF) L





ELEV 755

REIL Rwy 3 L
HIRL Rwy 3-21 L
MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
S-3	1660-1¼ 916 (1000-1¼)		1660-2¾ 916 (1000-2¾)	1660-3 916 (1000-3)
CIRCLING	1660-1¼ 905 (1000-1¼)		1660-2¾ 905 (1000-2¾)	1660-3 905 (1000-3)
WUDLO FIX MINIMUMS				
S-3	1160-1 416 (500-1)		1160-1¼ 416 (500-1¼)	
CIRCLING	1220-1 465 (500-1)		1220-1½ 465 (500-1½)	1320-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

VOR RWY 21

SHEBOYGAN COUNTY MEMORIAL (SBM)

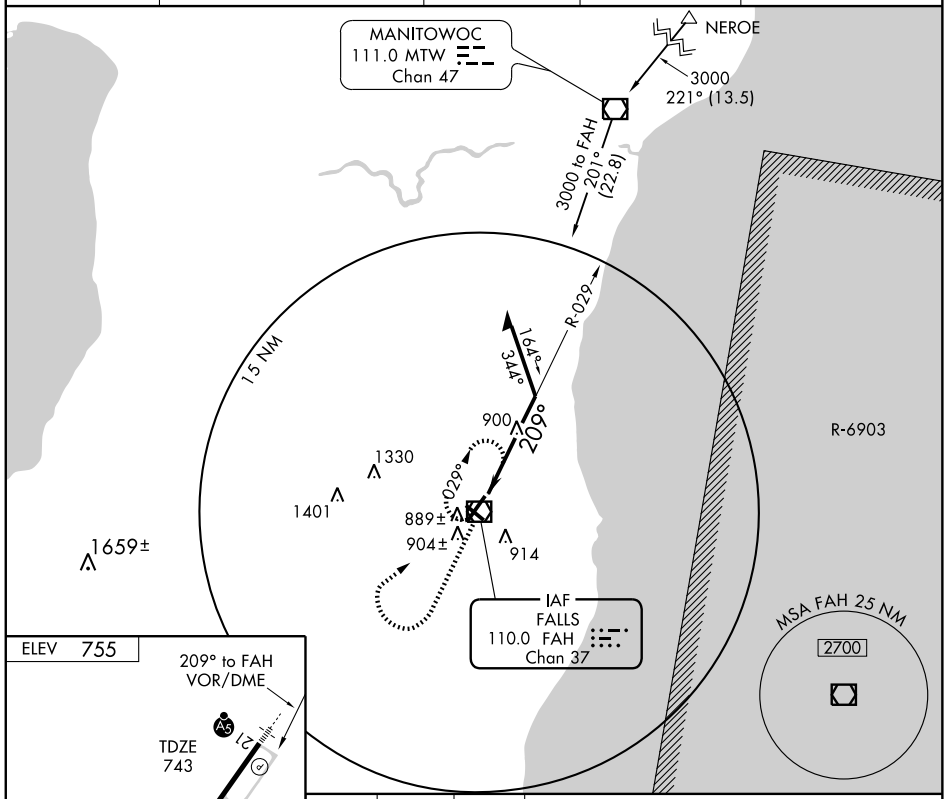
VOR/DME FAH	APP CRS	Rwy ldg	6802
110.0	209°	TDZE	743
Chan 37		Apt Elev	755

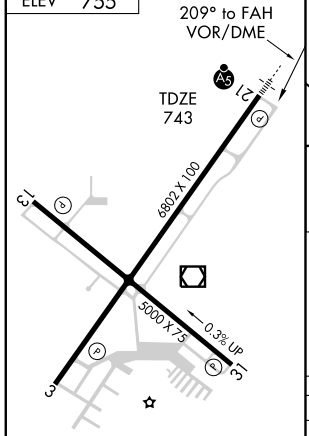
When VGSI inop, Circling to Rwy 13-31 NA at night. When local altimeter setting not received, use Manitowoc altimeter setting and increase all MDA 80 feet, increase S-21 Cat C/D visibility ¼ mile. VDP NA when using Manitowoc altimeter setting.

MALSR

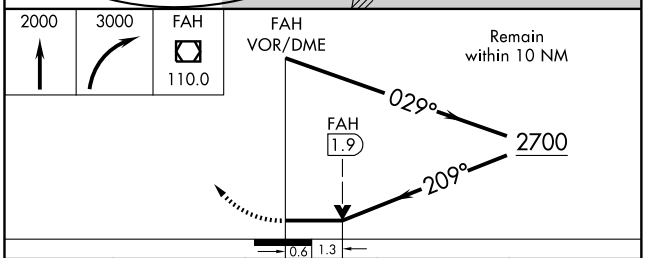
MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct FAH VOR/DME and hold.

ASOS	MILWAUKEE APP CON	GCO	CLNC DEL	UNICOM
110.0	127.0 263.075	121.725	127.375	122.7 (CTAF)





REIL Rwy 3
MIRL Rwy 13-31
HIRL Rwy 3-21



CATEGORY	A	B	C	D
S-21	1200-½ 457 (500-½)		1200-¾ 457 (500-¾)	1200-1 457 (500-1)
CIRCLING	1220-1 465 (500-1)		1220-1½ 465 (500-1½)	1320-2 565 (600-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2881
136°	TDZE	1232
	Apt Elev	1232

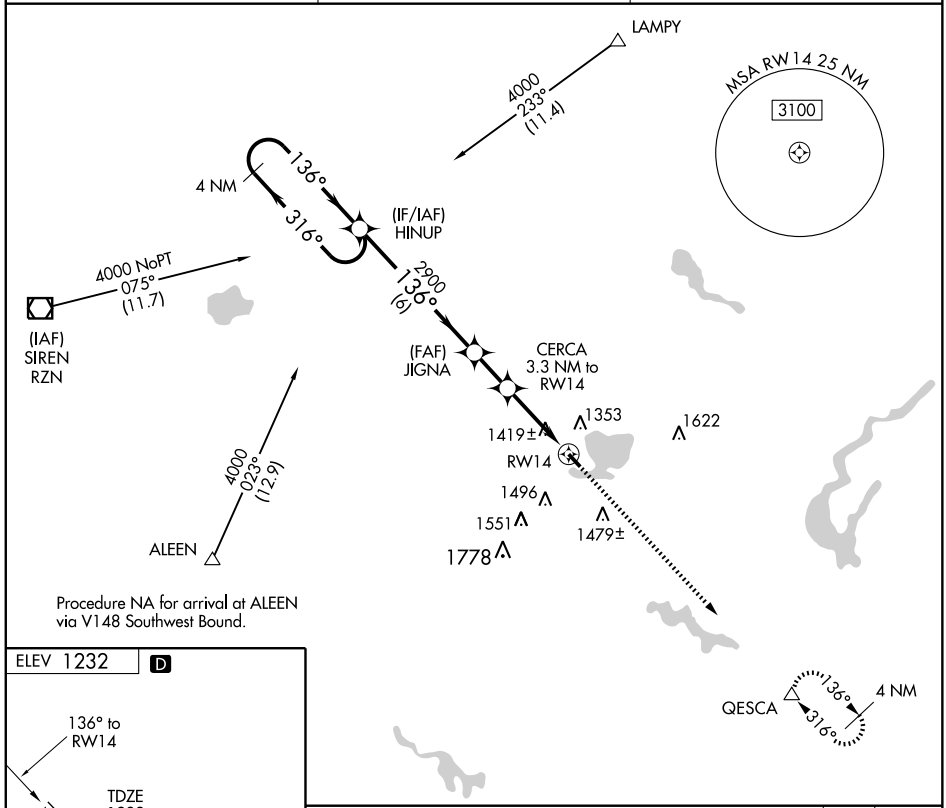
RNAV (GPS) RWY 14
SHELL LAKE MUNI (SSQ)

NA

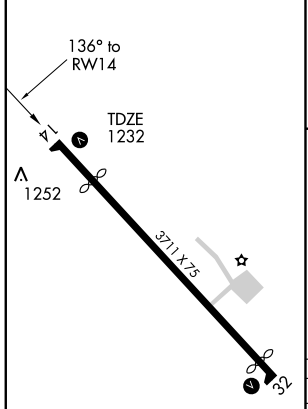
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Rice Lake altimeter setting; when not received, use Siren altimeter setting and increase all MDAs 20 feet and LNAV Cat D visibility ¼ mile.

MISSED APPROACH: Climb to 4000 direct QESCA and hold.

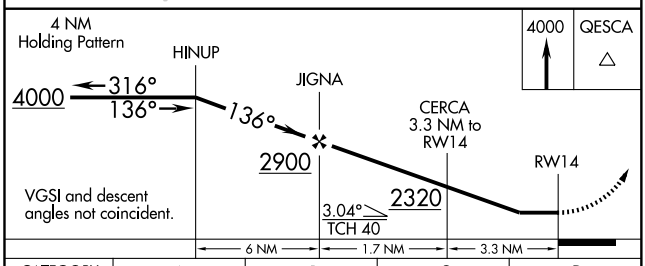
MINNEAPOLIS CENTER	GCO	UNICOM
126.45 276.4	121.725	122.8 (CTAF) L



Procedure NA for arrival at ALEEN via V148 Southwest Bound.



REIL Rwy 32 L
MIRL Rwy 14-32 L



CATEGORY	A	B	C	D
LNAV MDA	1740-1 508 (600-1)		1740-1½ 508 (600-1½)	
CIRCLING	1840-1 608 (700-1)		1840-1¾ 608 (700-1¾)	1860-2 628 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3500
316°	TDZE	1232
	Apt Elev	1232

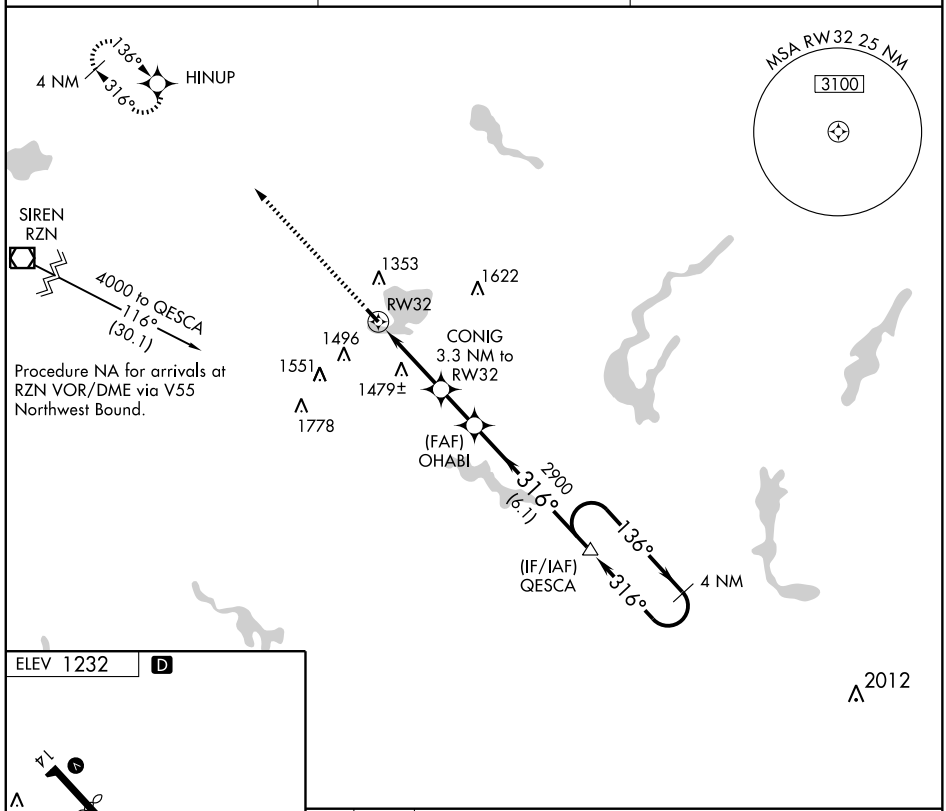
RNAV (GPS) RWY 32
SHELL LAKE MUNI (SSQ)

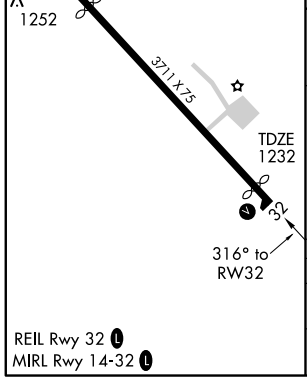
NA

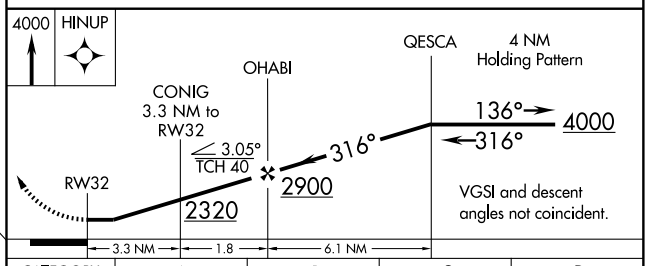
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Rice Lake altimeter setting; when not received use Siren altimeter setting and increase all MDAs 20 feet.

MISSED APPROACH: Climb to 4000 direct HINUP and hold.

MINNEAPOLIS CENTER	GCO	UNICOM
126.45 276.4	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1800-1 568 (600-1)		1800-1½ 568 (600-1½)	1800-1¾ 568 (600-1¾)
CIRCLING	1840-1 608 (700-1)		1840-1¾ 608 (700-1¾)	1860-2 628 (700-2)

VOR/DME RPD	APP CRS		
110.0	342°	Rwy ldg	3500
Chan 37		TDZE	1232
		Apt Elev	1232

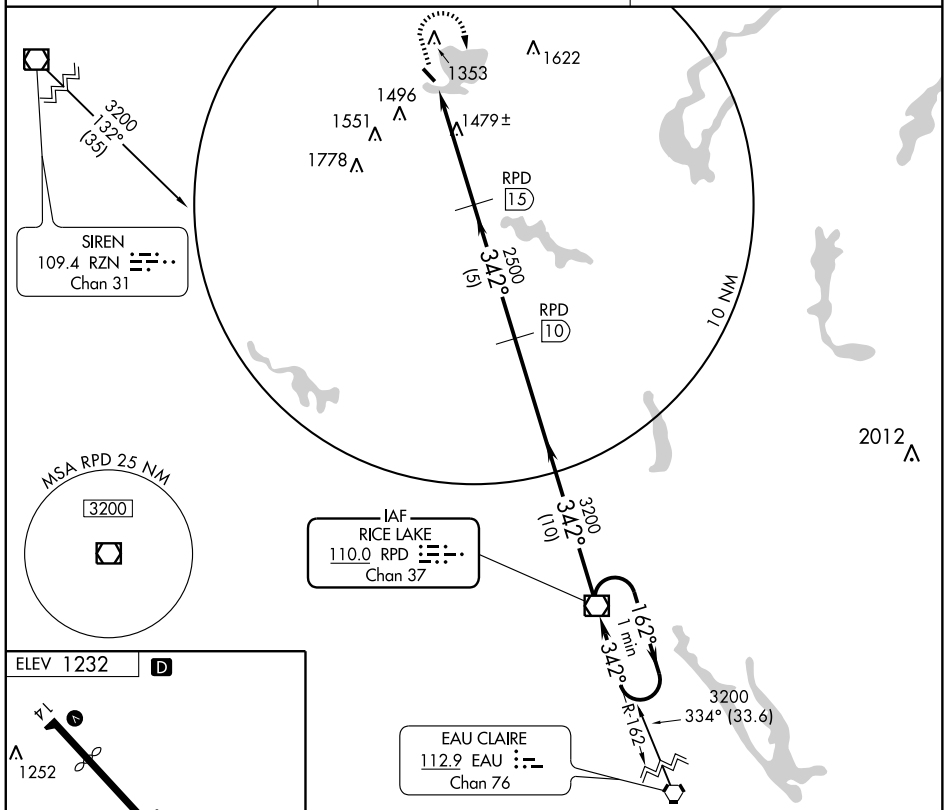
VOR/DME RWY 32
SHELL LAKE MUNI (SSQ)

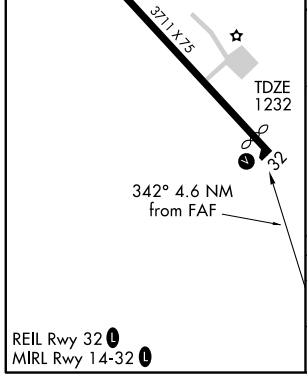
NA

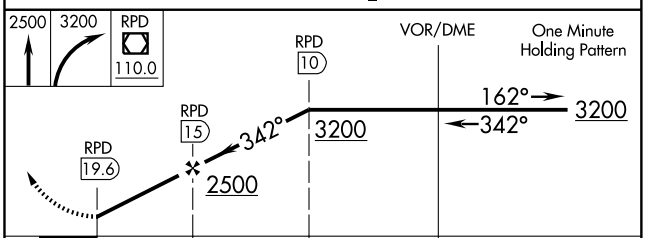
Use Rice Lake altimeter setting.

MISSED APPROACH: Climb to 2500 then climbing right turn to 3200 direct RPD VOR/DME and hold.

MINNEAPOLIS CENTER	GCO	UNICOM
126.45 276.4	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-32	1900-1 668 (700-1)		1900-1¾ 668 (700-1¾)	1900-2 668 (700-2)
CIRCLING	1900-1 668 (700-1)		1900-1¾ 668 (700-1¾)	1900-2 668 (700-2)

REIL Rwy 32 L
MIRL Rwy 14-32 L

EC-3, 14 JAN 2010 to 11 FEB 2010

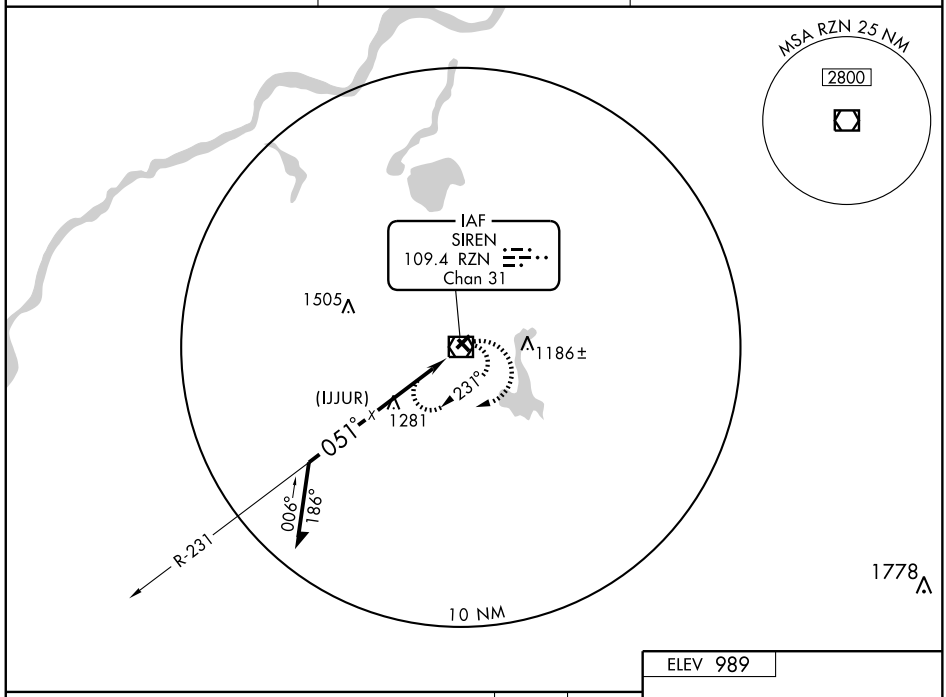
VOR/DME RZN	APP CRS	Rwy ldg	3900
109.4	051°	TDZE	989
Chan 31		Apt Elev	989

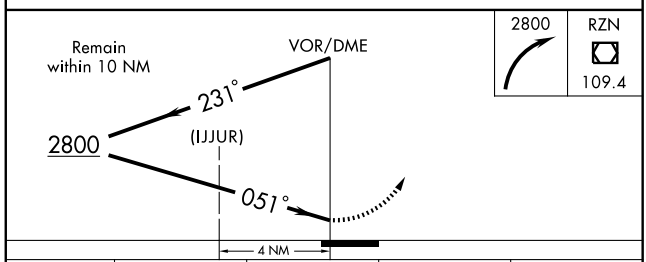
VOR or GPS RWY 4
SIREN/BURNETT COUNTY (RZN)

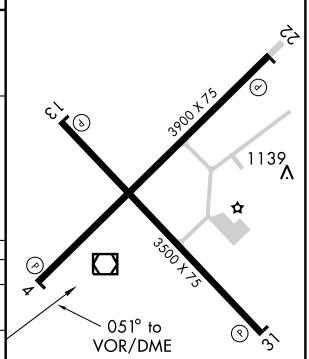
NA Obtain a local altimeter setting on CTAF; when not received, use Cambridge, MN altimeter setting.

MISSED APPROACH: Climbing right turn to 2800 in RZN VOR/DME holding pattern.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.325	121.05 397.9	122.8 (CTAF) L







REIL Rwys 4, 13, 22 and 31 L
MIRL Rwys 4-22 and 13-31 L

CATEGORY	A	B	C	D
S-4	1620-1 631 (700-1)		1620-1¾ 631 (700-1¾)	1620-2 631 (700-2)
CIRCLING	1620-1 631 (700-1)		1620-1¾ 631 (700-1¾)	1620-2 631 (700-2)
CAMBRIDGE, MN ALTIMETER SETTING MINIMUMS				
S-4	1720-1 731 (800-1)		1720-2 731 (800-2)	1720-2¼ 731 (800-2¼)
CIRCLING	1720-1 731 (800-1)		1720-2 731 (800-2)	1720-2¼ 731 (800-2¼)

Knots	60	90	120	150	180
Min:Sec					

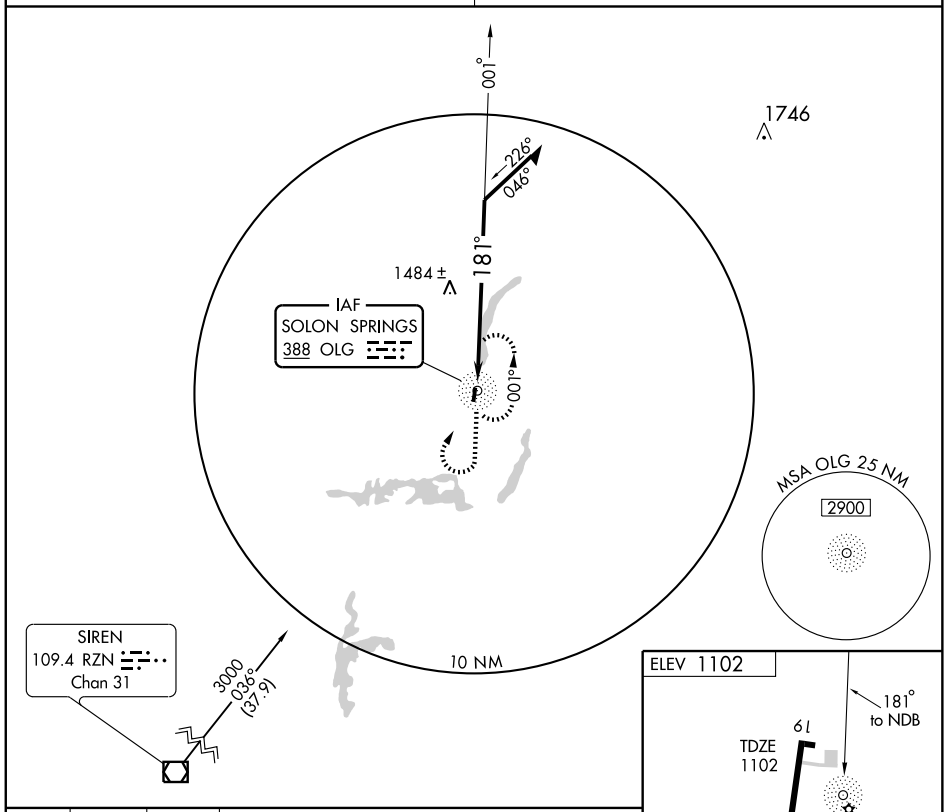
NDB OLG	APP CRS	Rwy ldg	3100
388	181°	TDZE	1102
		Apt Elev	1102

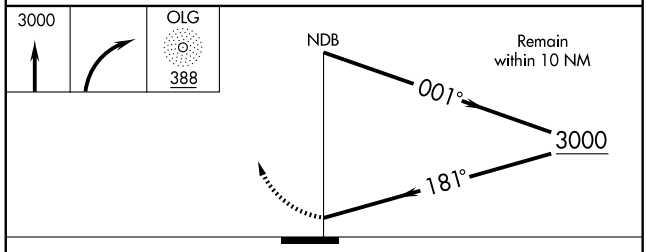
NDB RWY 19
SOLON SPRINGS MUNI (OLG)

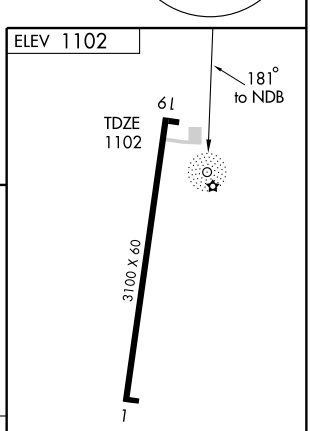
NA Use Duluth/Sky Harbor altimeter setting.

MISSED APPROACH: Climb to 3000 then right turn direct OLG NDB and hold.

DULUTH APP CON ★	UNICOM
125.45 255.9	122.9 (CTAF) L







LIRL Rwy 1-19 L

CATEGORY	A	B	C	D
S-19	2020-1¼ 918 (1000-1¼)		2020-2¾ 918 (1000-2¾)	NA
CIRCLING	2020-1¼ 918 (1000-1¼)		2020-2¾ 918 (1000-2¾)	NA

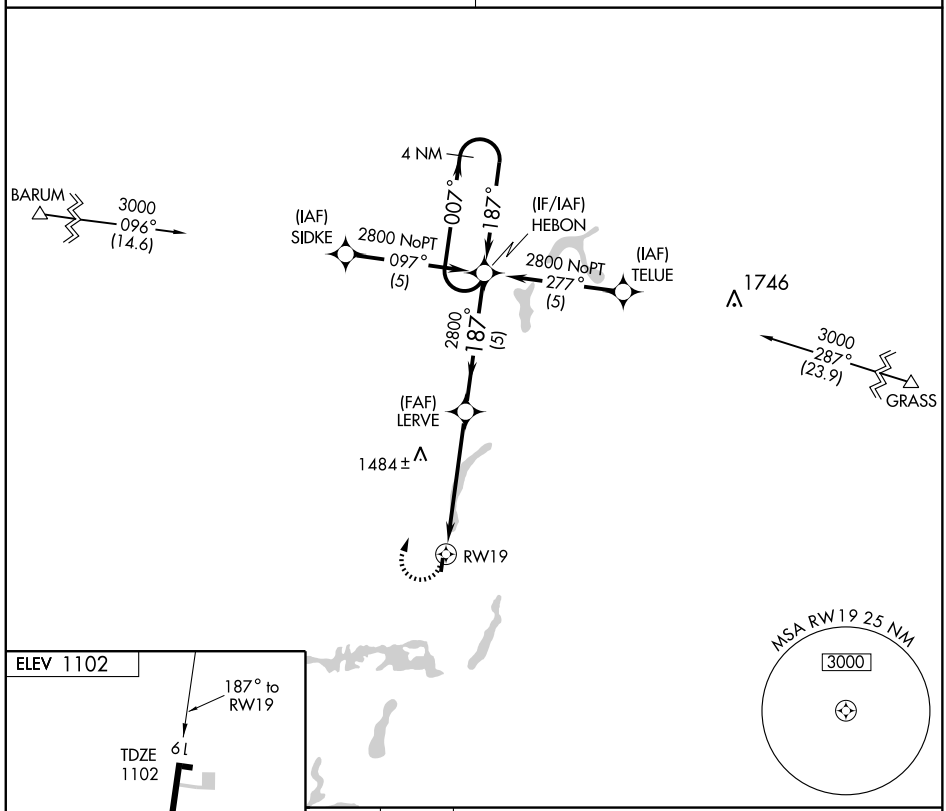
Knots	60	90	120	150	180
Min:Sec					

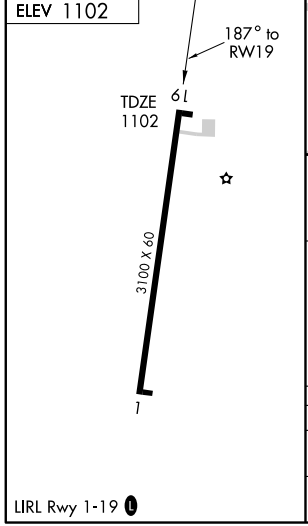
EC-3. 14 JAN 2010 to 11 FEB 2010

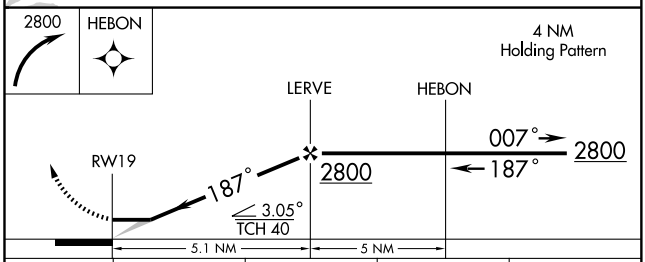
APP CRS	Rwy ldg	3100
187°	TDZE	1102
	Apt Elev	1102

RNAV (GPS) RWY 19
SOLON SPRINGS MUNI (OLG)

▲ NA Use Duluth/Sky Harbor altimeter setting. GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA	MISSED APPROACH: Climbing right turn to 2800 direct HEBON WP and hold.
DULUTH APP CON ★ **125.45 255.9**	UNICOM **122.9** (CTAF) Ⓛ







CATEGORY	A	B	C	D
LNAV MDA	1800-1 698 (700-1)		1800-2 698 (700-2)	NA
CIRCLING	1800-1 698 (700-1)		1800-2 698 (700-2)	NA

LIRL Rwy 1-19 Ⓛ

EC-3, 14 JAN 2010 to 11 FEB 2010

NDB CMY	APP CRS	Rwy ldg	4283
412	287°	TDZE	832
		Apt Elev	837

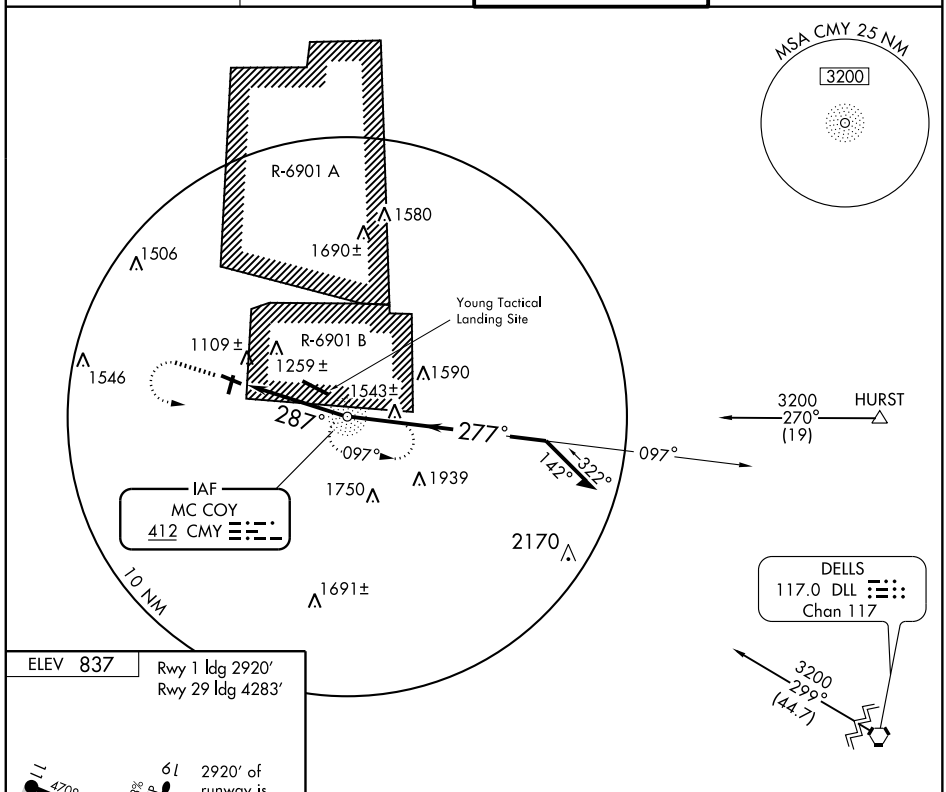
NDB RWY 29

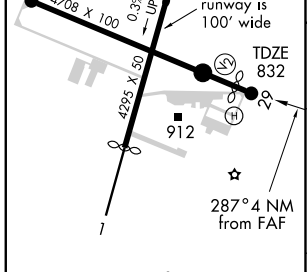
SPARTA/ FORT MC COY (CMY)

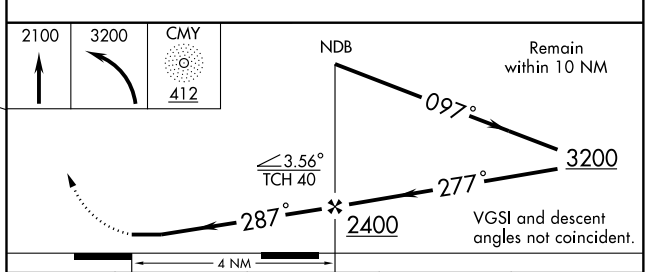
NA Procedure not authorized when R-6901B active.

MISSED APPROACH: Climb to 2100 then climbing left turn to 3200 direct CMY NDB and hold.

AWOS-3	VOLK APP CON ★	SPARTA TOWER ★	GCO
118.375	135.25 290.8	124.6(CTAF)L 229.4	121.725







REIL Rwys 11 and 29 L
MIRL Rwys 1-19 and 11-29 L

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

CATEGORY	A	B	C	D
S- 29	1560-1	728 (800-1)	1560-2 728 (800-2)	1560-2¼ 728 (800-2¼)
CIRCLING	1560-1	723 (800-1)	1560-2 723 (800-2)	1620-2½ 783 (800-2½)

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4708
112°	TDZE	830
	Apt Elev	837

RNAV (GPS) RWY 11

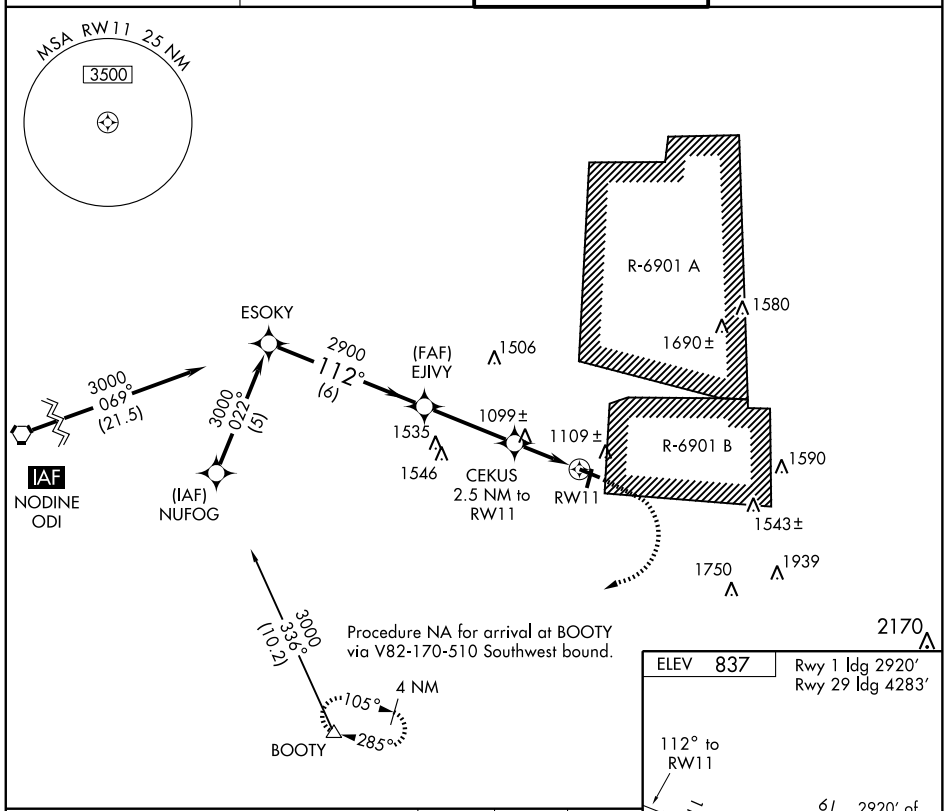
SPARTA/ FORT MC COY (CMY)

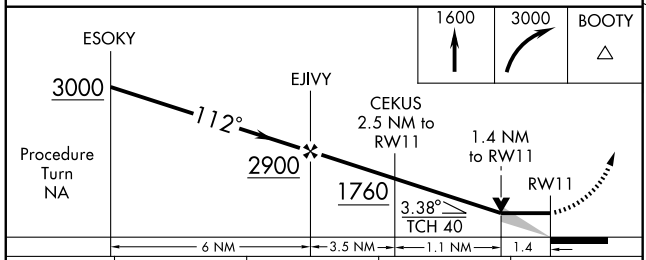
T A NA

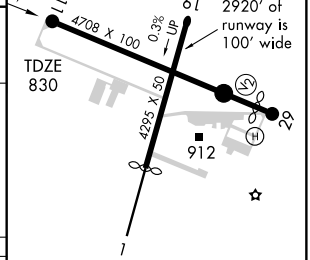
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Procedure not authorized when R-6901B active.
IAF ARM approach mode prior to IAF.

MISSED APPROACH: Climb to 1600 then climbing right turn to 3000 direct BOOTY WP and hold.

AWOS-3	VOLK APP CON ★	SPARTA TOWER ★	GCO
118.375	135.25 290.8	124.6 (CTAF) L 229.4	121.725







CATEGORY	A	B	C	D
LNAV MDA	1360-1 530 (600-1)		1360-1½ 530 (600-1½)	1360-1¾ 530 (600-1¾)
CIRCLING	1520-1 683 (700-1)	1540-1 703 (800-1)	1560-2 723 (800-2)	1620-2½ 783 (800-2½)

REIL Rwys 11 and 29 L
MIRL Rwys 1-19 and 11-29 L

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4283
292°	TDZE	832
	Apt Elev	837

RNAV (GPS) RWY 29

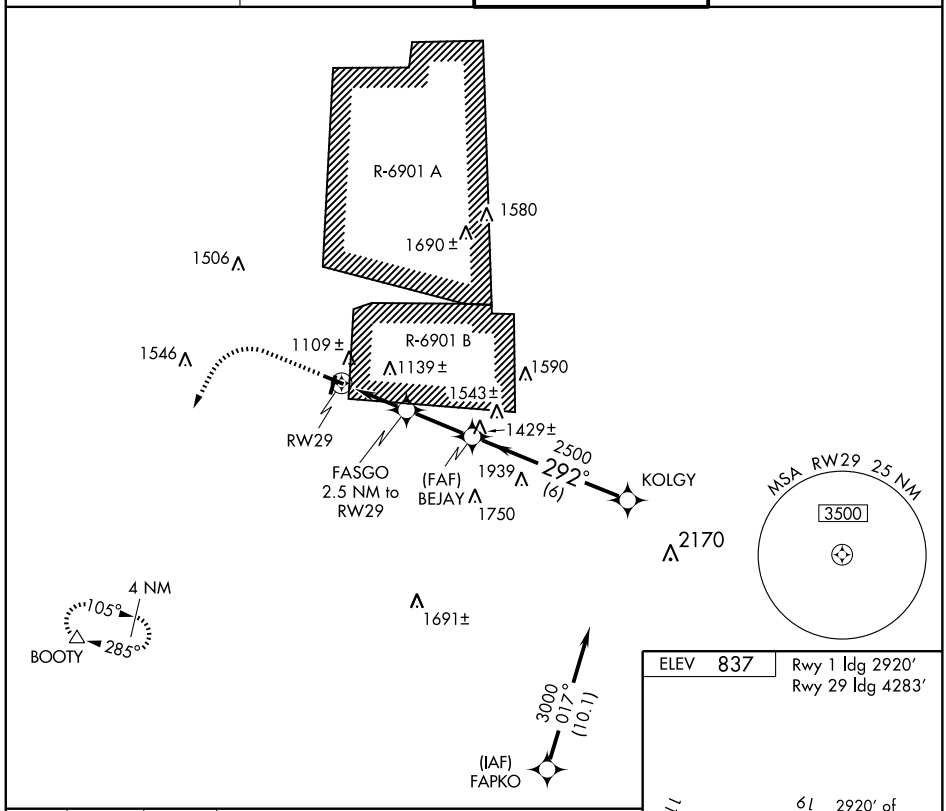
SPARTA/ FORT MC COY (CMY)

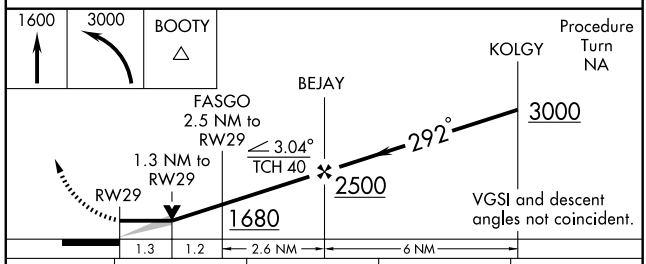
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Procedure not authorized when R-6901B active.

NA

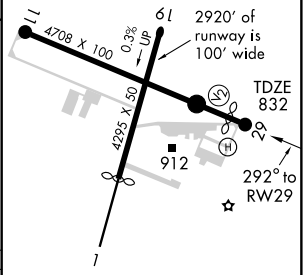
MISSED APPROACH: Climb to 1600 then climbing left turn to 3000 direct BOOTY WP and hold.

AWOS-3	VOLK APP CON ★	SPARTA TOWER ★	GCO
118.375	135.25 290.8	124.6 (CTAF) L 229.4	121.725





ELEV 837 Rwy 1 ldg 2920′ Rwy 29 ldg 4283′



CATEGORY	A	B	C	D
LNAV MDA	1300-1	468 (500-1)	1300-1¼ 468 (500-1¼)	1300-1½ 468 (500-1½)
CIRCLING	1520-1 683 (700-1)	1540-1 703 (800-1)	1560-2 723 (800-2)	1620-2½ 783 (800-2½)

REIL Rwys 11 and 29 L
MIRL Rwys 1-19 and 11-29 L

EC-3. 14 JAN 2010 to 11 FEB 2010

LOC/DME I-STE	APP CRS	Rwy ldg	6028
111.35	211°	TDZE	1110
Chan 50 (Y)		Apt Elev	1110

ILS or LOC RWY 21
STEVENS POINT MUNI (STE)

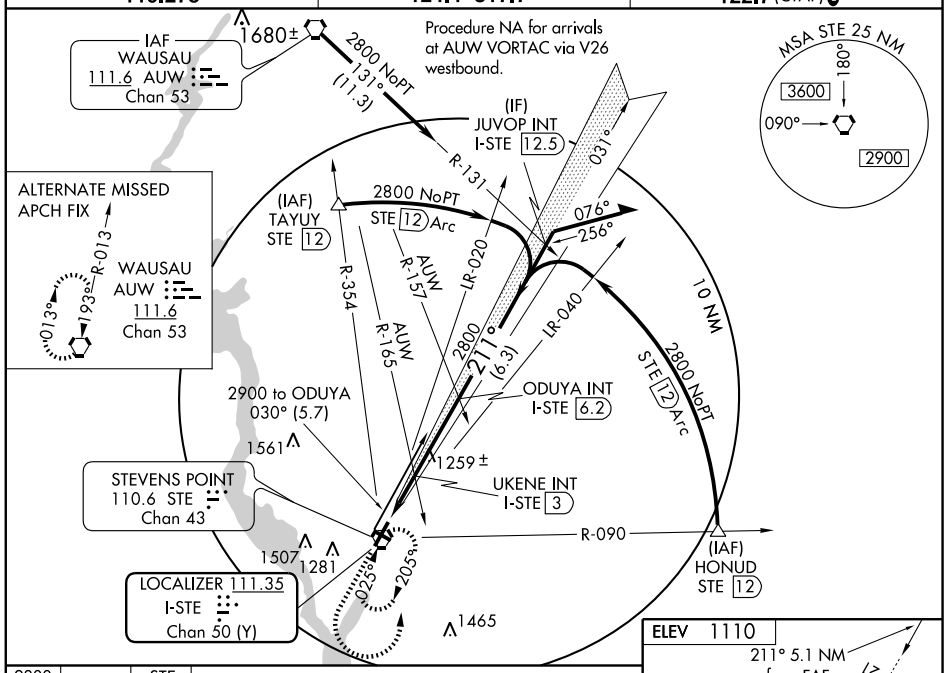
Inoperative table does not apply to S-LOC 21 Cat C.
When local altimeter setting not received, use Mosinee altimeter setting and increase all DA and all UKENE FIX minimums MDA 60 feet, increase S-ILS 21all Cats visibility ¼ mile. UKENE FIX minimums: increase S-LOC 21 Cat D and Circling Cats C and D visibility ¼ mile. VDP NA when using Mosinee altimeter setting.

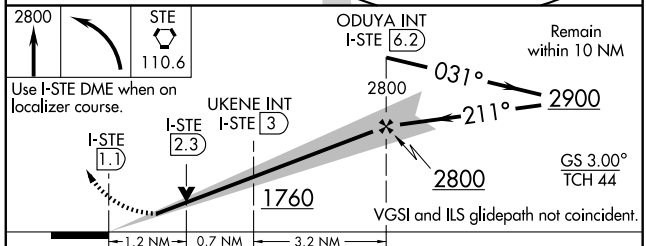
NA

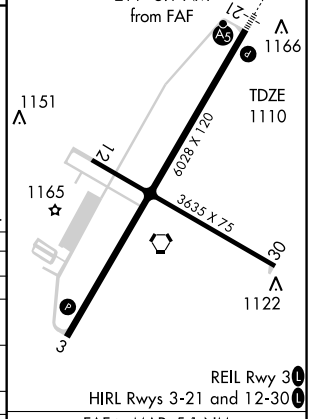
MALSR

MISSED APPROACH: Climb to 2800 then left turn direct STE VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.275	124.4 317.7	122.7 (CTAF)







CATEGORY	A	B	C	D
S-ILS 21	1310-¾ 200 (200-¾)			
S-LOC 21	1760-¾ 650 (700-¾)		1760-1¾ 650 (700-1¾)	1760-2 650 (700-2)
CIRCLING	1760-1 650 (700-1)		1760-1¾ 650 (700-1¾)	1800-2¼ 690 (700-2¼)
UKENE FIX MINIMUMS				
S-LOC 21	1520-¾ 410 (500-¾)		1520-1¼ 410 (500-1¼)	
CIRCLING	1580-1 470 (500-1)		1660-1½ 550 (600-1½)	1800-2¼ 690 (700-2¼)

FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

EC-3, 14 JAN 2010 to 11 FEB 2010

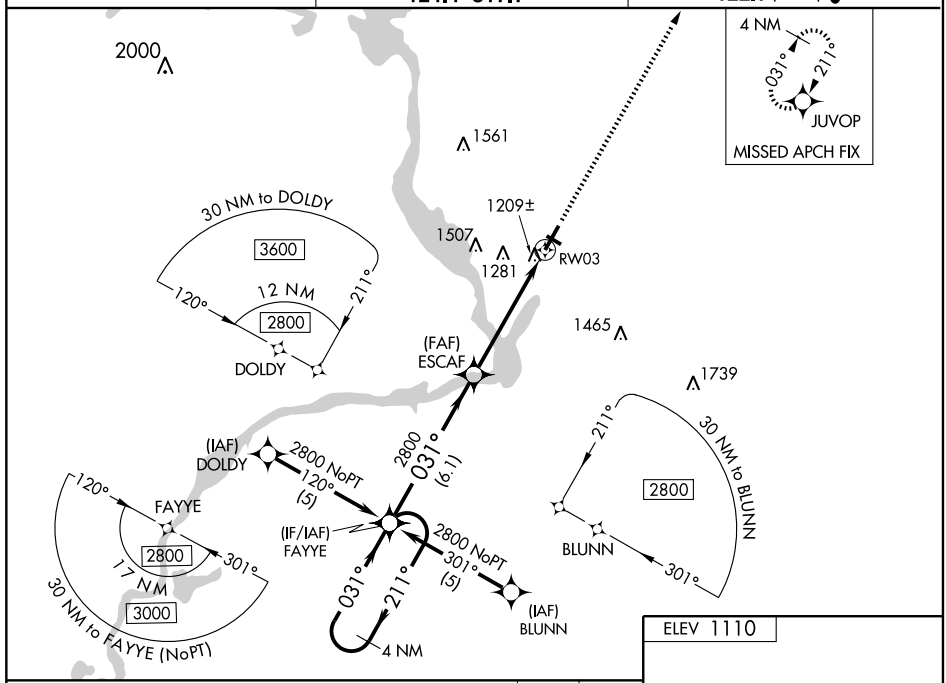
WAAS CH 77910 W03A	APP CRS 031°	Rwy ldg 6028 TDZE 1108 Apt Elev 1110

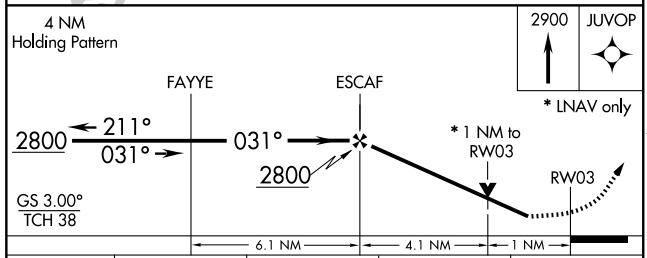
RNAV (GPS) RWY 3
STEVENS POINT MUNI (STE)

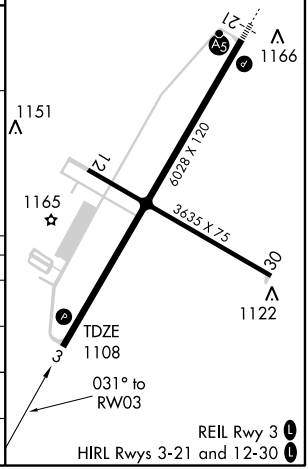
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Mosinee altimeter setting and increase LPV DA to 1468 feet, LNAV/VNAV DA to 1643, increase all MDA 60 feet, increase LPV and LNAV/VNAV visibility all Cats. ¼ mile, increase LNAV Cat. C visibility ¼ mile and Circling Cat. C and D visibility ¼ mile. VDP and Baro-VNAV NA when using Mosinee altimeter setting.

MISSED APPROACH: Climb to 2900 direct JUVOP and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.275	124.4 317.7	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1409-1 301 (300-1)			
LNAV/VNAV DA	1584-1¾ 476 (500-1¾)			
LNAV MDA	1460-1 352 (400-1)			1460-1¼ 352 (400-1¼)
CIRCLING	1580-1 470 (500-1)		1660-1½ 550 (600-1½)	1800-2¼ 690 (700-2¼)

WAAS CH 86511 W21A	APP CRS 211°	Rwy ldg 6028 TDZE 1110 Apt Elev 1110

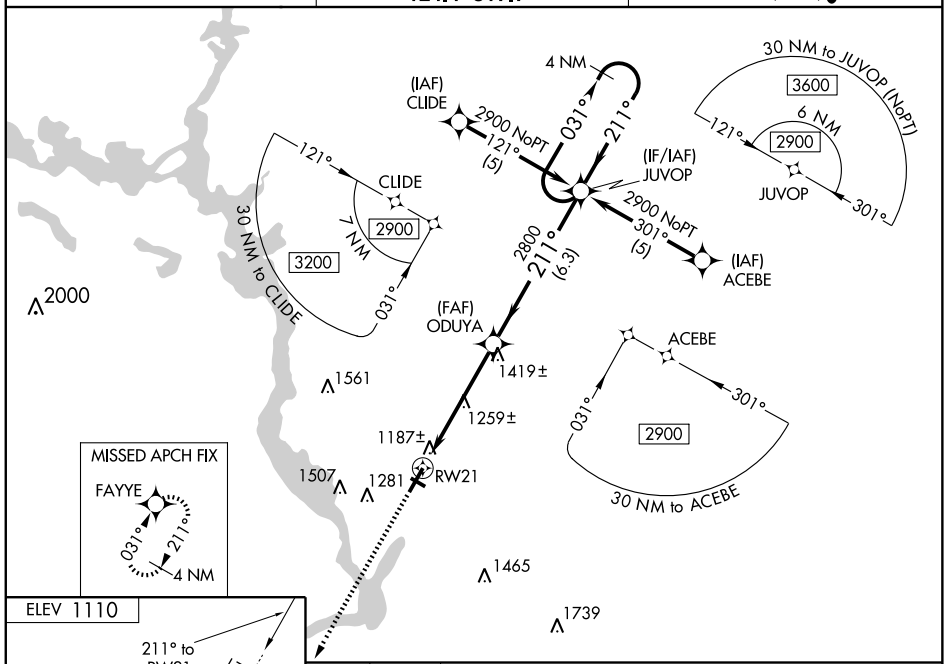
RNAV (GPS) RWY 21
STEVENS POINT MUNI (STE)

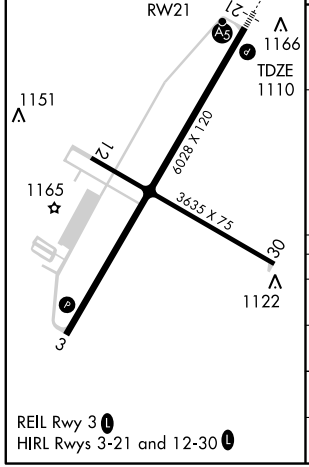
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Mosinee altimeter setting and increase LPV DA to 1369, LNAV/VNAV DA to 1516, all MDA 60 feet, and increase LPV and LNAV/VNAV visibility all Cats. ¼ mile, increase LNAV Cat. D visibility ¼ mile and Circling Cat. C and D visibility ¼ mile. VDP and Baro-VNAV NA when using Mosinee altimeter setting. Inoperative table does not apply to LNAV/VNAV all Cats. and LNAV Cat. C.

MALSR

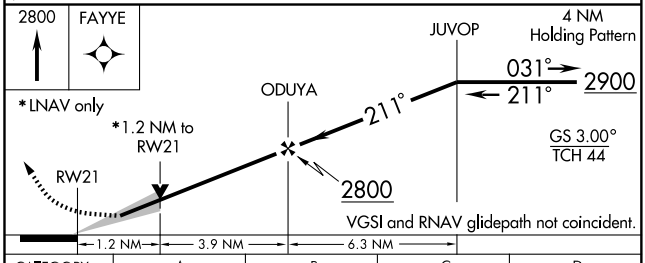
MISSED APPROACH: Climb to 2800 direct FAYYE and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.275	124.4 317.7	122.7 (CTAF) L





REIL Rwy 3 L
HIRL Rwys 3-21 and 12-30 L



CATEGORY	A	B	C	D
LPV DA	1310-¾ 200 (200-¾)			
LNAV/VNAV DA	1457-1¼ 347 (400-1¼)			
LNAV MDA	1520-¾ 410 (500-¾)		1520-1¼ 410 (500-1¼)	
CIRCLING	1580-1 470 (500-1)		1660-1½ 550 (600-1½)	1800-2¼ 690 (700-2¼)

EC-3, 14 JAN 2010 to 11 FEB 2010

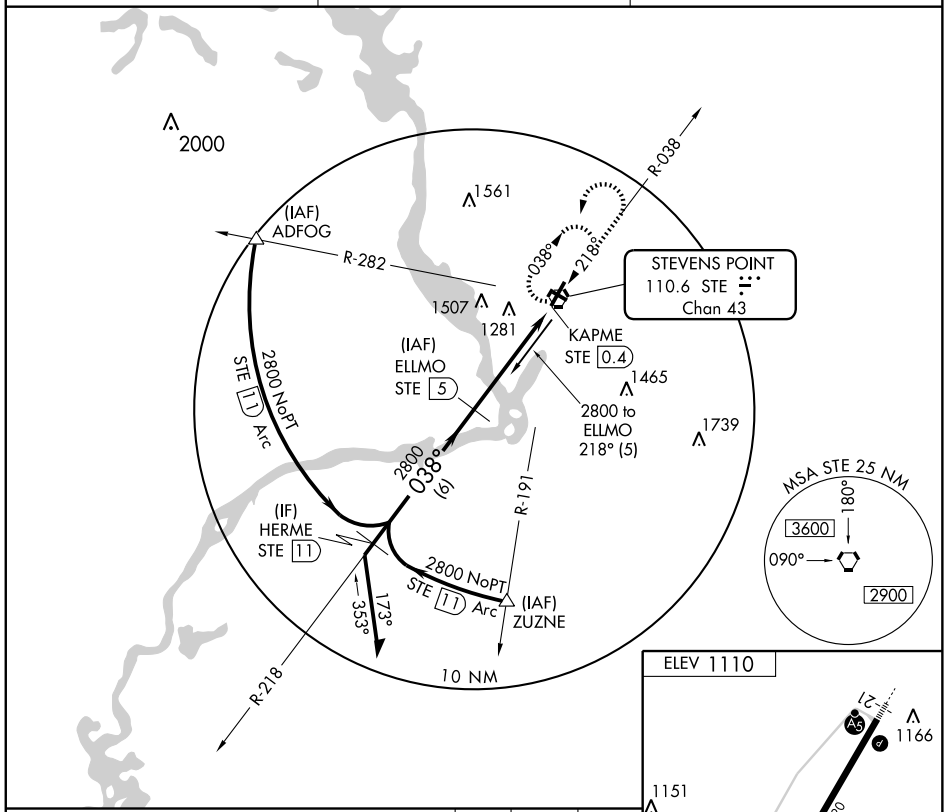
VORTAC STE	APP CRS	Rwy ldg	6028
110.6	038°	TDZE	1108
Chan 43		Apt Elev	1110

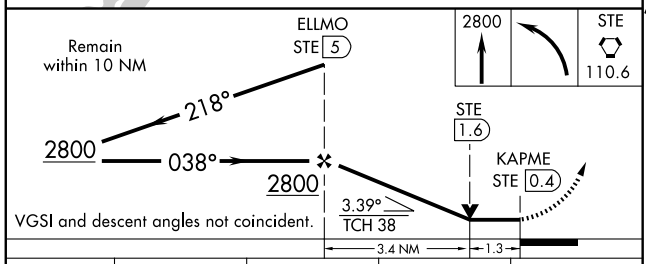
VOR/DME RWY 3
STEVENS POINT MUNI (STE)

Visibility reduction by helicopters NA. When local altimeter setting not received, use Mosinee altimeter setting and increase all MDA 60 feet and increase Circling Cat. C and D visibility ¼ mile. VDP NA when using Mosinee altimeter setting.

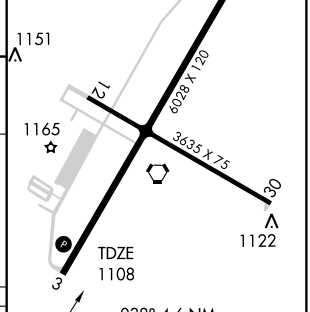
MISSED APPROACH: Climb to 2800, then left turn direct STE VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.275	124.4 317.7	122.7 (CTAF) L





VGSI and descent angles not coincident.



REIL Rwy 3 L
HIRL Rwys 3-21 and 12-30 L

CATEGORY	A	B	C	D
S-3	1540-1	432 (500-1)	1540-1¼ 432 (500-1¼)	1540-1½ 432 (500-1½)
CIRCLING	1580-1	470 (500-1)	1660-1½ 550 (600-1½)	1800-2¼ 690 (700-2¼)

EC-3, 14 JAN 2010 to 11 FEB 2010

VORTAC STE	APP CRS	Rwy ldg	6028
110.6	205°	TDZE	1110
Chan 43		Apt Elev	1110

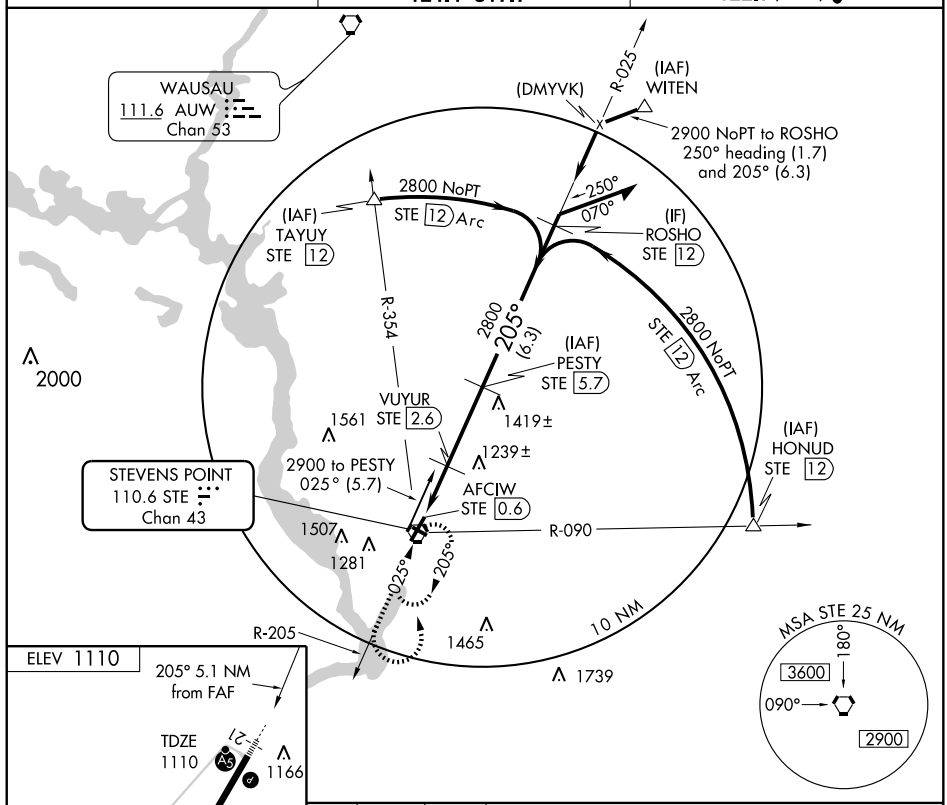
VOR/DME RWY 21
STEVENS POINT MUNI (STE)

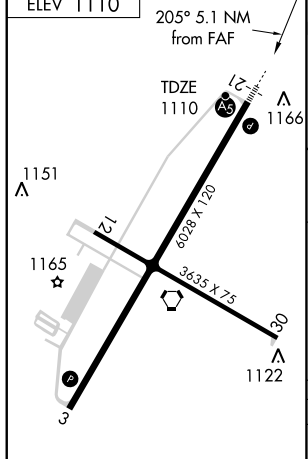
When local altimeter setting not received, use Mosinee altimeter setting and increase all MDA 60 feet and increase S-21 Cat. C visibility ½ mile, Cat. D visibility ¼ mile and Circling Cat. C and D visibility ¼ mile. Inoperative table does not apply to Cat. C when using Mosinee altimeter setting. VDP NA when using Mosinee altimeter setting.

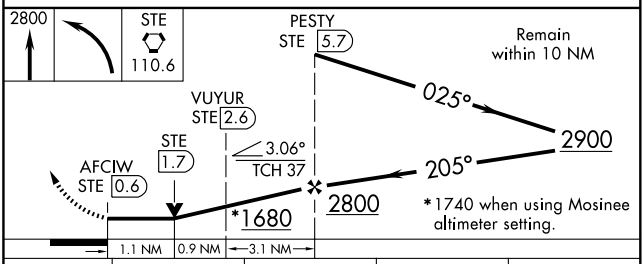
MALSR

MISSED APPROACH: Climb to 2800 then left turn direct STE VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.275	124.4 317.7	122.7 (CTAF)







CATEGORY	A	B	C	D
S-21	1500-¾ 390 (400-¾)			1500-1¼ 390 (400-1¼)
CIRCLING	1580-1 470 (500-1)		1660-1½ 550 (600-1½)	1800-2¼ 690 (700-2¼)

REIL Rwy 3
HIRL Rwys 3-21 and 12-30

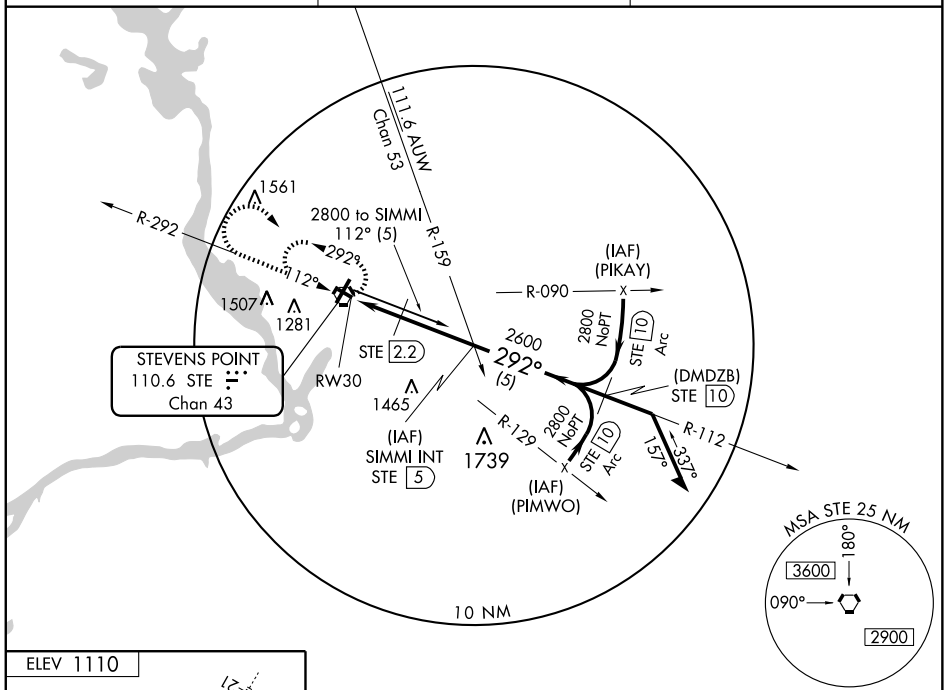
EC-3, 14 JAN 2010 to 11 FEB 2010

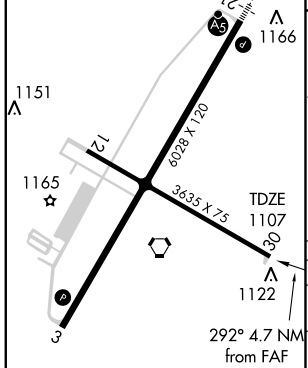
VORTAC STE	APP CRS	Rwy ldg	3635
110.6	292°	TDZE	1107
Chan 43		Apt Elev	1110

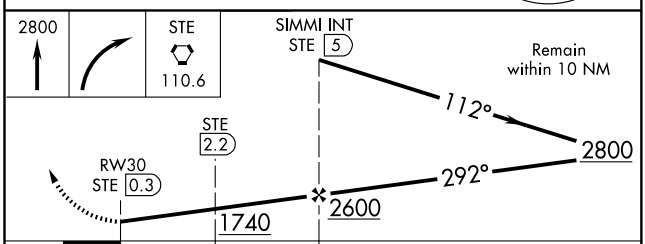
VOR or GPS RWY 30
STEVENS POINT MUNI (STE)

MISSED APPROACH: Climb to 2800, then right turn direct STE VORTAC and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
119.275	124.4 317.7	122.7 (CTAF) L







REIL Rwy 3 L
HIRL Rwys 3-21 and 12-30 L

FAF to MAP 4.7 NM					
Knots	60	90	120	150	180
Min:Sec	4:42	3:08	2:21	1:53	1:34

CATEGORY	A	B	C	D
S-30	1740-1 633 (700-1)		1740-1¾ 633 (700-1¾)	1740-2 633 (700-2)
CIRCLING	1740-1 630 (700-1)		1740-1¾ 630 (700-1¾)	1800-2¼ 690 (700-2¼)
DME MINIMUMS				
S-30	1480-1 373 (400-1)			1480-1¼ 373 (400-1¼)
CIRCLING	1580-1 470 (500-1)		1660-1½ 550 (600-1½)	1800-2¼ 690 (700-2¼)

EC-3, 14 JAN 2010 to 11 FEB 2010

WAAS CH 81904 W02A	APP CRS 016°	Rwy ldg 4600 TDZE 725 Apt Elev 725

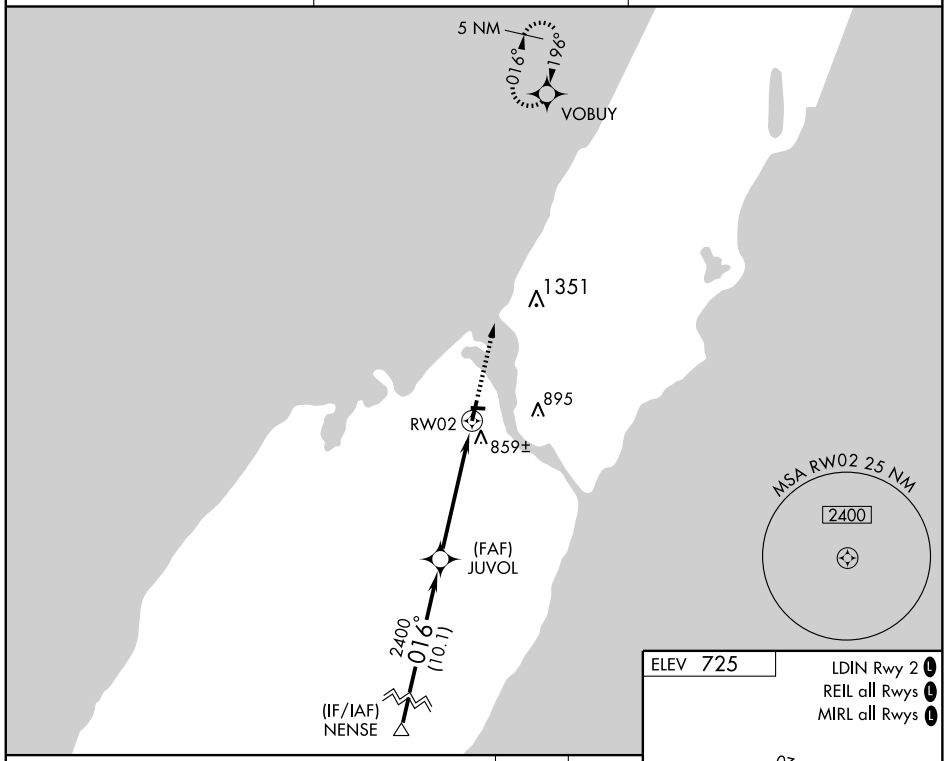
RNAV (GPS) RWY 2

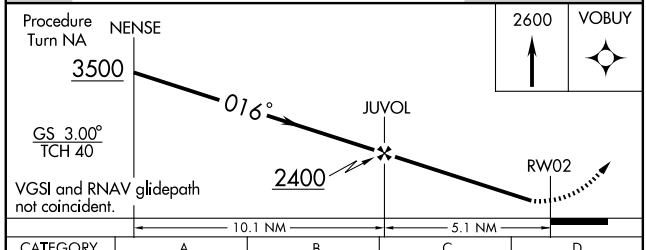
STURGEON BAY/DOOR COUNTY CHERRYLAND (SUE)

Baro-VNAV NA when using Menominee-Marinette Twin County altimeter setting. If local altimeter setting not received, use Menominee-Marinette Twin County altimeter setting and increase all DAs/MDAs 60 feet. For uncompensated Baro-VNAV systems, procedure NA below -16°C (4°F) or above 47°C (116°F). Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.

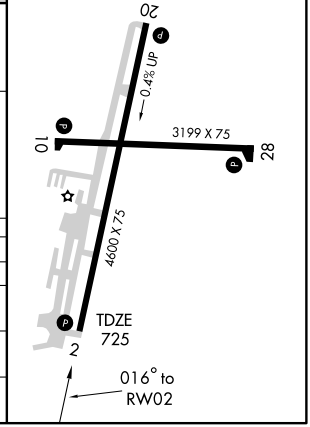
MISSED APPROACH: Climb to 2600 direct VOBUY and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7(CTAF) L





CATEGORY	A	B	C	D
LPV DA	1014-1 289 (300-1)			
LNAV/VNAV DA	1165-1½ 440 (500-1½)			
LNAV MDA	1120-1 395 (400-1)			1120-1¼ 395 (400-1¼)
CIRCLING	1160-1 435 (500-1)	1180-1 455 (500-1)	1180-1½ 455 (500-1½)	1280-2 555 (600-2)



EC-3, 14 JAN 2010 to 11 FEB 2010

STURGEON BAY, WISCONSIN

AL-5409 (FAA)

APP CRS	Rwy ldg	3199
096°	TDZE	720
	Apt Elev	724

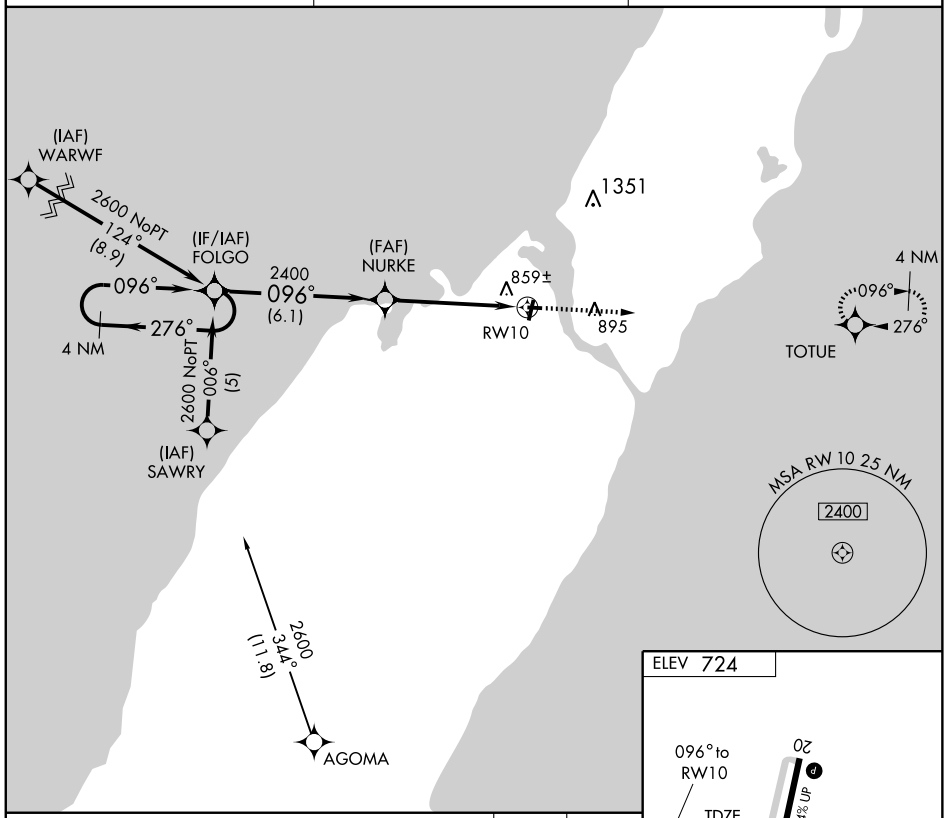
RNAV (GPS) RWY 10

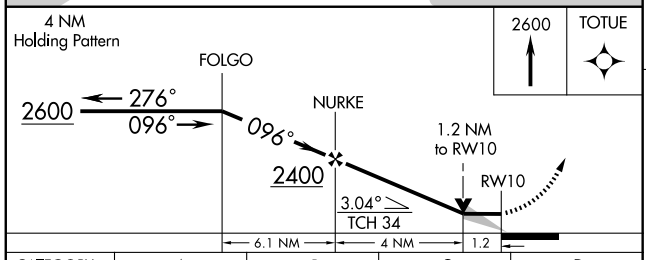
STURGEON BAY/DOOR COUNTY CHERRYLAND (SUE)

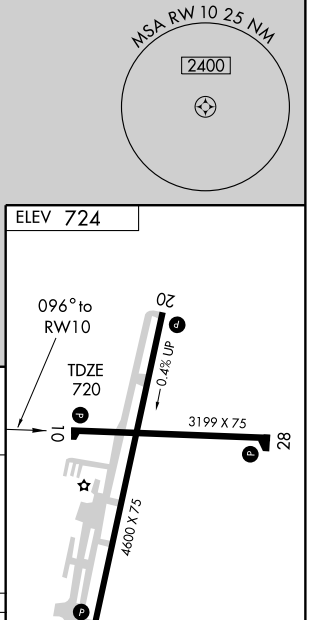
DME/DME RNP -0.3 NA.

MISSED APPROACH: Climb to 2600 direct TOTUE and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1120-1 400 (400-1)			NA
CIRCLING	1160-1 436 (500-1)	1180-1 456 (500-1)	1180-1½ 456 (500-1½)	NA

LDIN Rwy 2 L
REIL all Rwys L
MIRL all Rwys L

EC-3, 14 JAN 2010 to 11 FEB 2010

STURGEON BAY, WISCONSIN

AL-5409 (FAA)

WAAS CH 86304 W20A	APP CRS 196°	Rwy ldg 4600 TDZE 724 Apt Elev 725

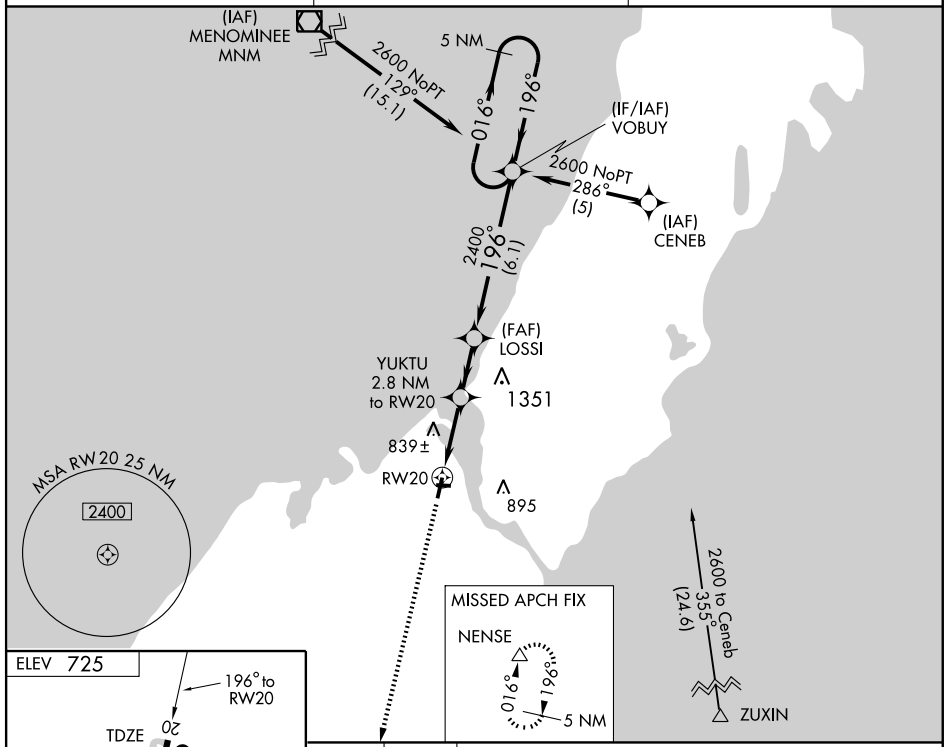
RNAV (GPS) RWY 20

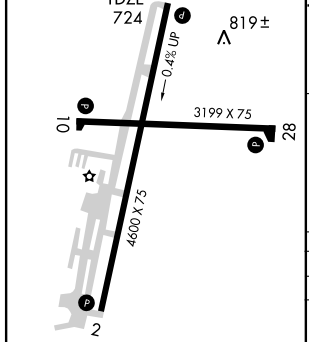
STURGEON/DOOR COUNTY CHERRYLAND (SUE)

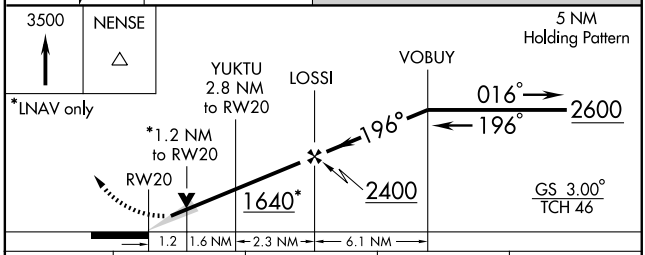
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 47°C (116°F). DME/DME RNP-0.3 NA. If local altimeter setting not received, use Menominee-Marinette Twin County altimeter setting and increase all DAs/MDAs 60 feet. VDP and Baro-VNAV NA when using Menominee-Marinette Twin County altimeter setting.

MISSED APPROACH: Climb to 3500 direct NENSE and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	974-1 250 (300-1)			
LNAV/VNAV DA	1069-1¼ 345 (400-1¼)			
LNAV MDA	1120-1 396 (400-1)			1120-1¼ 396 (400-1¼)
CIRCLING	1160-1 435 (500-1)	1180-1 455 (500-1)	1180-1½ 455 (500-1½)	1280-2 555 (600-2)

LDIN Rwy 2 L
REIL all Rwys L
MIRL all Rwys L

EC-3, 14 JAN 2010 to 11 FEB 2010

STURGEON BAY, WISCONSIN

AL-5409 (FAA)

APP CRS	Rwy ldg	3199
276°	TDZE	720
	Apt Elev	724

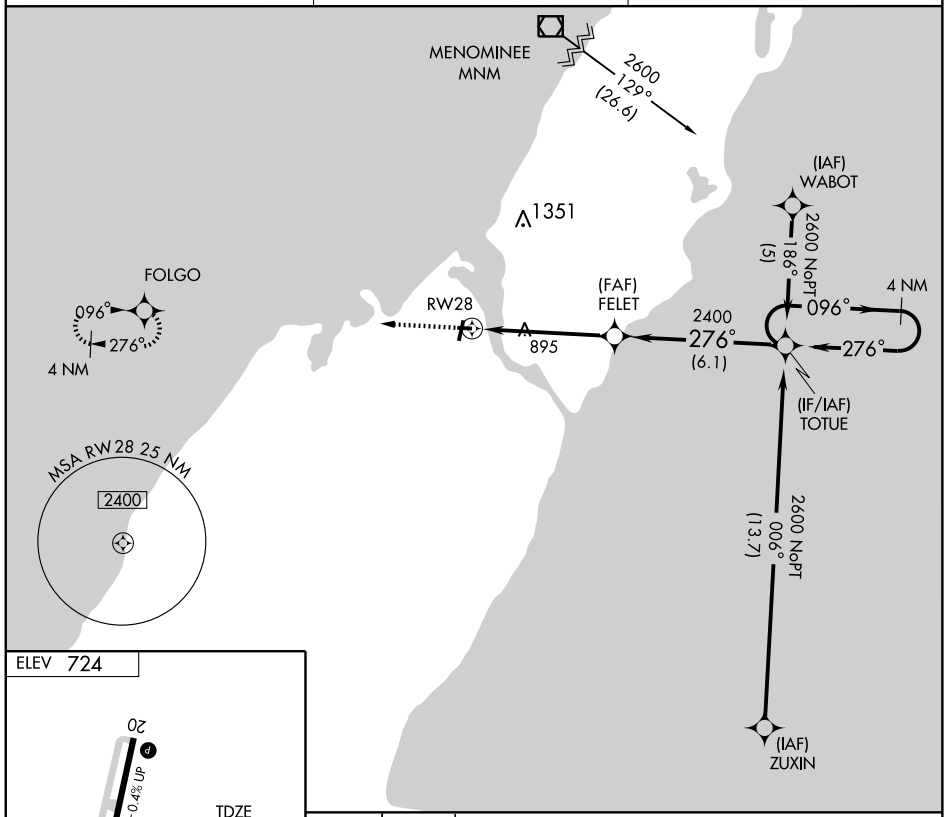
RNAV (GPS) RWY 28

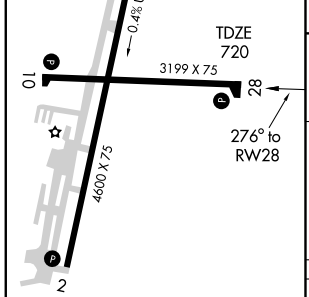
STURGEON BAY/DOOR COUNTY CHERRYLAND (SUE)

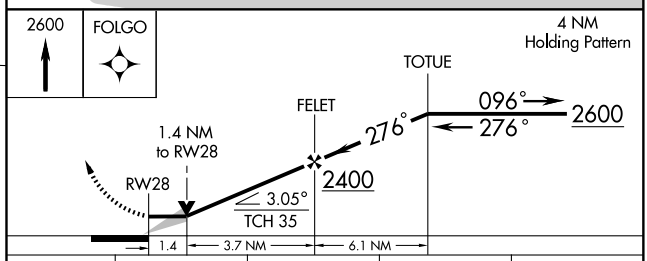
DME/DME RNP -0.3 NA.

MISSED APPROACH: Climb to 2600 direct FOLGO and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1200-1	480 (500-1)	1200-1¼ 480 (500-1¼)	NA
CIRCLING	1200-1	476 (500-1)	1200-1½ 476 (500-1½)	NA

LDIN Rwy 2 L
REIL all Rwys L
MIRL all Rwys L

EC-3, 14 JAN 2010 to 11 FEB 2010

SDF III 111.9	APP CRS 016°	Rwy ldg 4600 TDZE 725 Apt Elev 725

SDF RWY 2

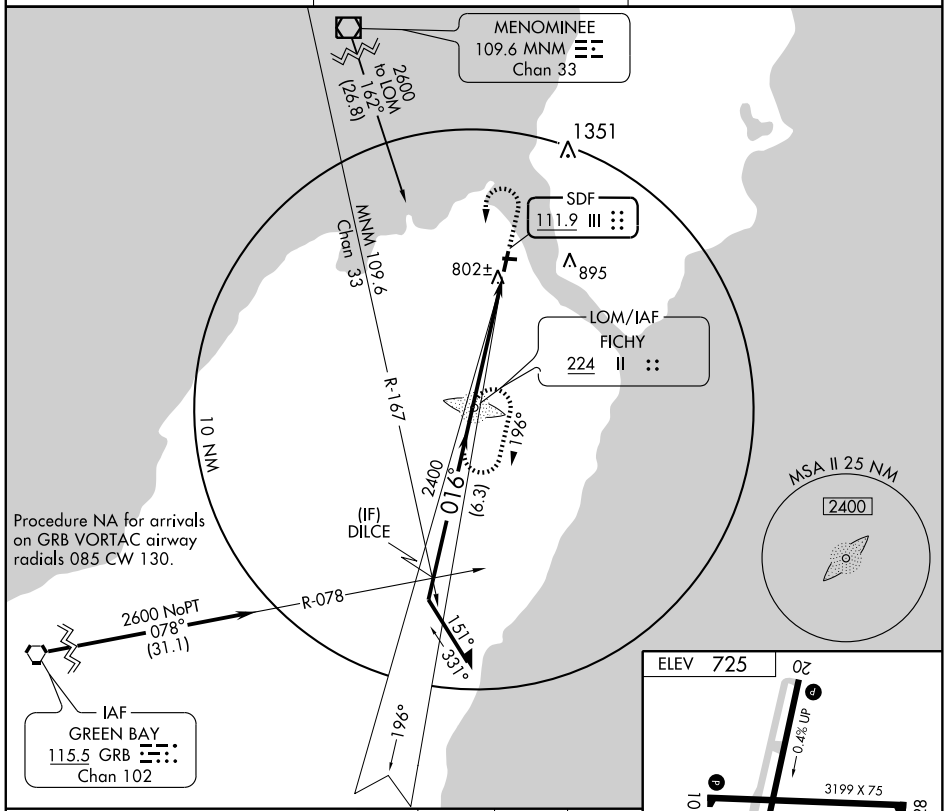
STURGEON BAY/ DOOR COUNTY CHERRYLAND (SUE)

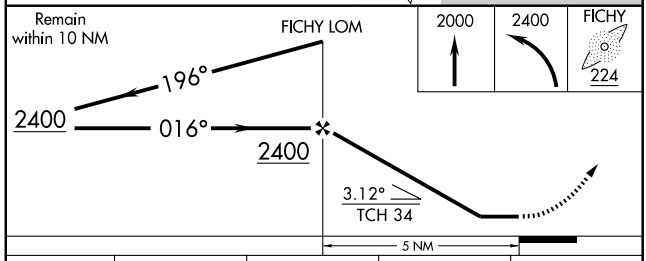
T A NA

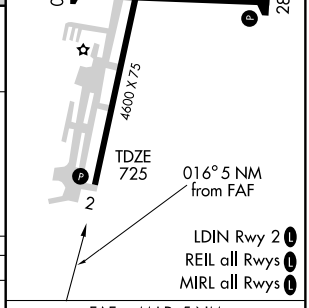
ADF REQUIRED. Visibility reduction by helicopters NA. When local altimeter setting not received, use Menominee altimeter setting and increase all MDA 60 feet.

MISSED APPROACH: Climb to 2000 then climbing left turn to 2400 direct FICHY LOM and hold.

AWOS-3	GREEN BAY APP CON ★	UNICOM
128.325	119.25 338.2	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-2	1240-1 515 (600-1)		1240-1½ 515 (600-1½)	1240-1¾ 515 (600-1¾)
CIRCLING	1240-1 515 (600-1)		1240-1½ 515 (600-1½)	1280-2 555 (600-2)

FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5100
035°	TDZE	672
	Apt Elev	674

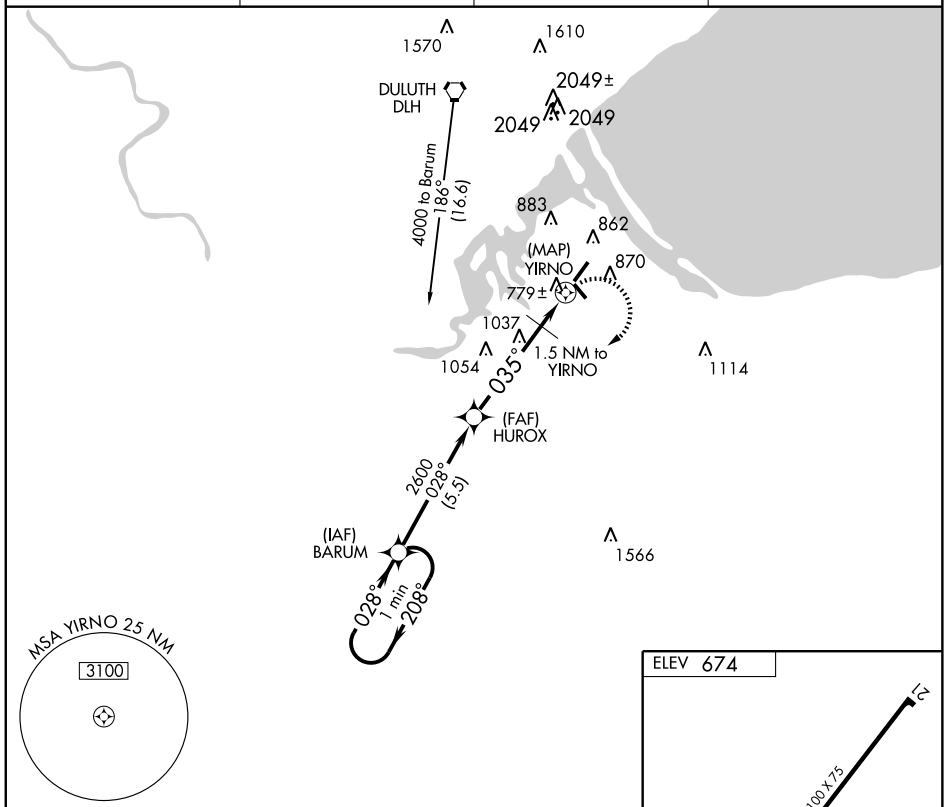
GPS RWY 3

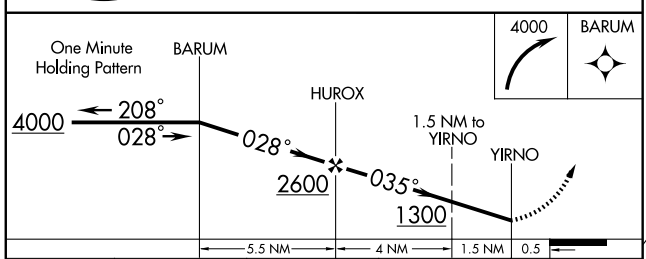
SUPERIOR/RICHARD I. BONG (SUW)

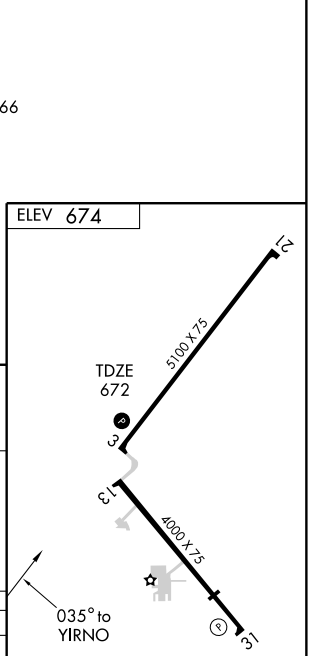
NA

MISSED APPROACH: Climbing right turn to 4000 direct BARUM WP and hold.

AWOS-3	DULUTH APP CON ★	CLNC DEL	UNICOM
118.875	125.45 255.9	124.8	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-3	1080-1 408 (500-1)		1080-1¼ 408 (500-1¼)	
CIRCLING	1220-1 546 (600-1)		1220-1½ 546 (600-1½)	1240-2 566 (600-2)

REIL Rwys 3, 21, 13, and 31 L
MIRL Rwys 3-21 and 13-31 L

APP CRS	Rwy ldg	4000
139°	TDZE	674
	Apt Elev	674

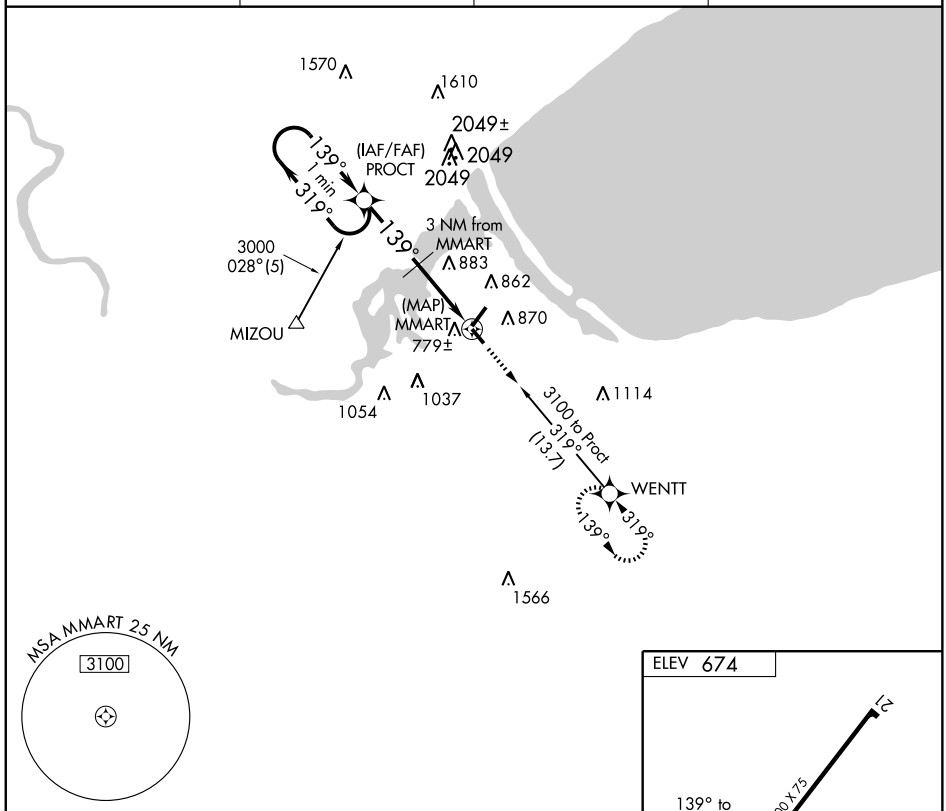
GPS RWY 13

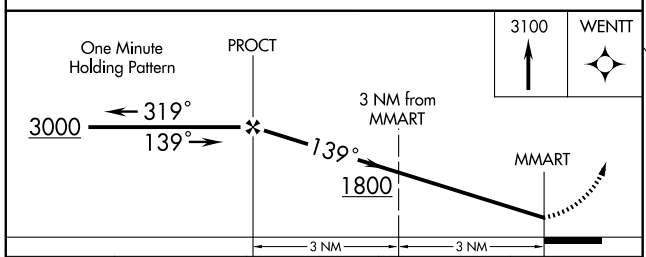
SUPERIOR/RICHARD I. BONG (SUW)

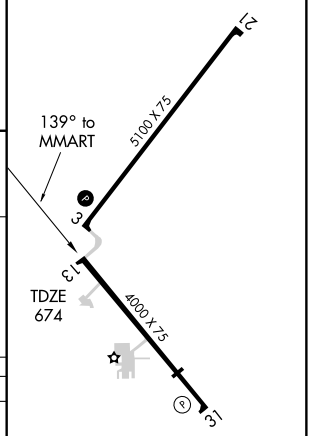
NA

MISSED APPROACH: Climb to 3100 direct WENTT WP and hold.

AWOS-3	DULUTH APP CON ★	CLNC DEL	UNICOM
118.875	125.45 255.9	124.8	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-13	1180-1 506 (600-1)		1180-1½ 506 (600-1½)	
CIRCLING	1220-1 546 (600-1)		1220-1½ 546 (600-1½)	1240-2 566 (600-2)

REIL Rwys 3, 21, 13, and 31 L
MIRL Rwys 3-21 and 13-31 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4000
319°	TDZE	674
	Apt Elev	674

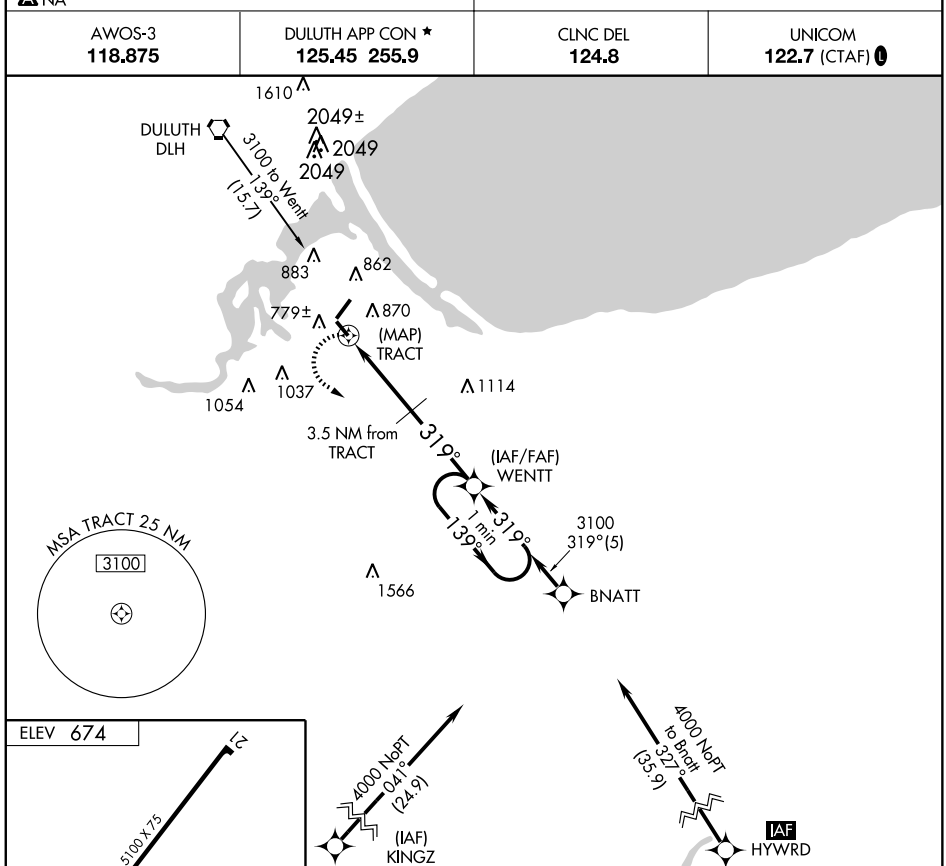
GPS RWY 31

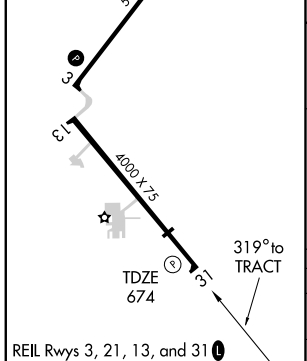
SUPERIOR/RICHARD I. BONG (SUW)

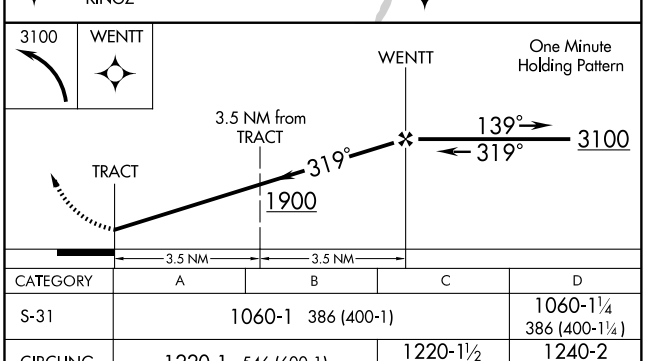
IAF ARM APPROACH MODE PRIOR TO IAF.
T
NA

MISSED APPROACH: Climbing left turn to 3100 direct WENTT WP and hold.

AWOS-3	DULUTH APP CON ★	CLNC DEL	UNICOM
118.875	125.45 255.9	124.8	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-31	1060-1 386 (400-1)			1060-1¼ 386 (400-1¼)
CIRCLING	1220-1 546 (600-1)		1220-1½ 546 (600-1½)	1240-2 566 (600-2)

REIL Rwys 3, 21, 13, and 31 L
MIRL Rwys 3-21 and 13-31 L

NDB SUW 260	APP CRS 322°	Rwy ldg 4000 TDZE 674 Apt Elev 674

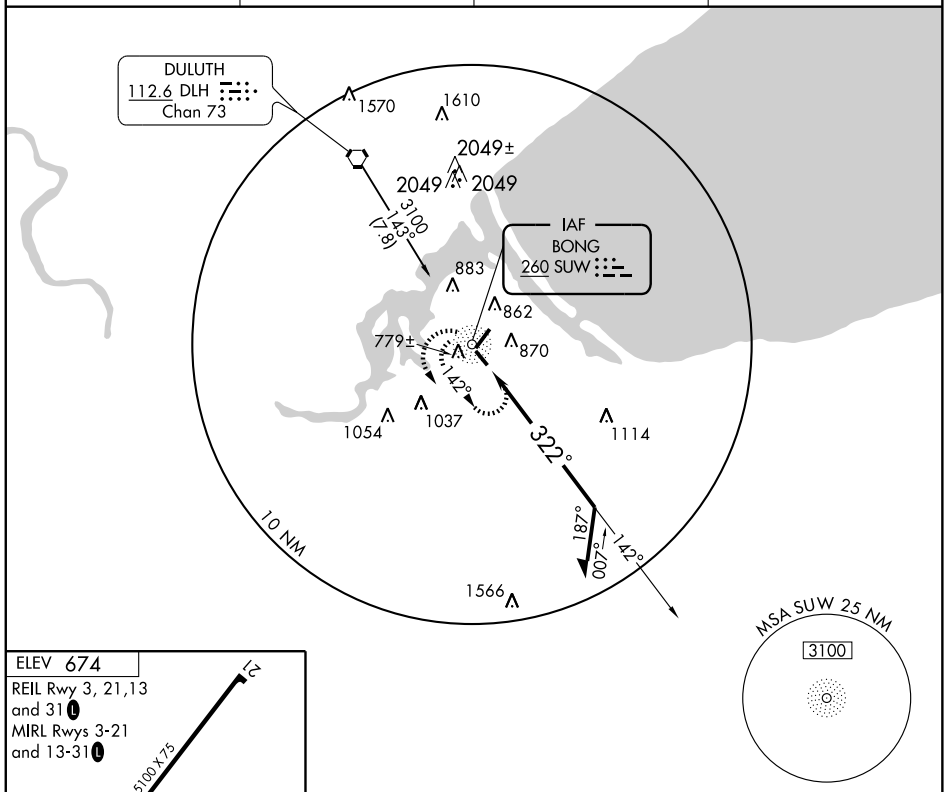
NDB RWY 31

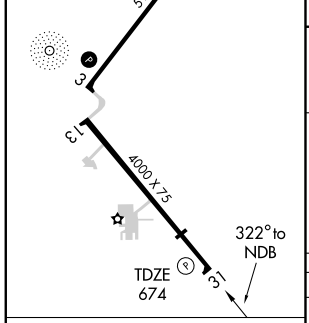
SUPERIOR / RICHARD I. BONG (SUW)

NA

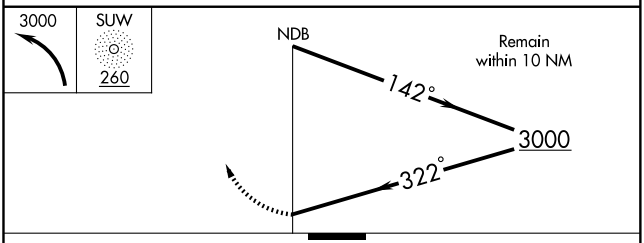
MISSED APPROACH: Climbing left turn to 3000 in SUW NDB holding pattern.

AWOS-3	DULUTH APP CON ★	CLNC DEL	UNICOM
118.875	125.45 255.9	124.8	122.7 (CTAF) L





Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-31	1660-1¼ 986 (1000-1¼)	1660-1½ 986 (1000-1½)	1660-3	986 (1000-3)
CIRCLING	1660-1¼ 986 (1000-1¼)	1660-1½ 986 (1000-1½)	1660-3	986 (1000-3)

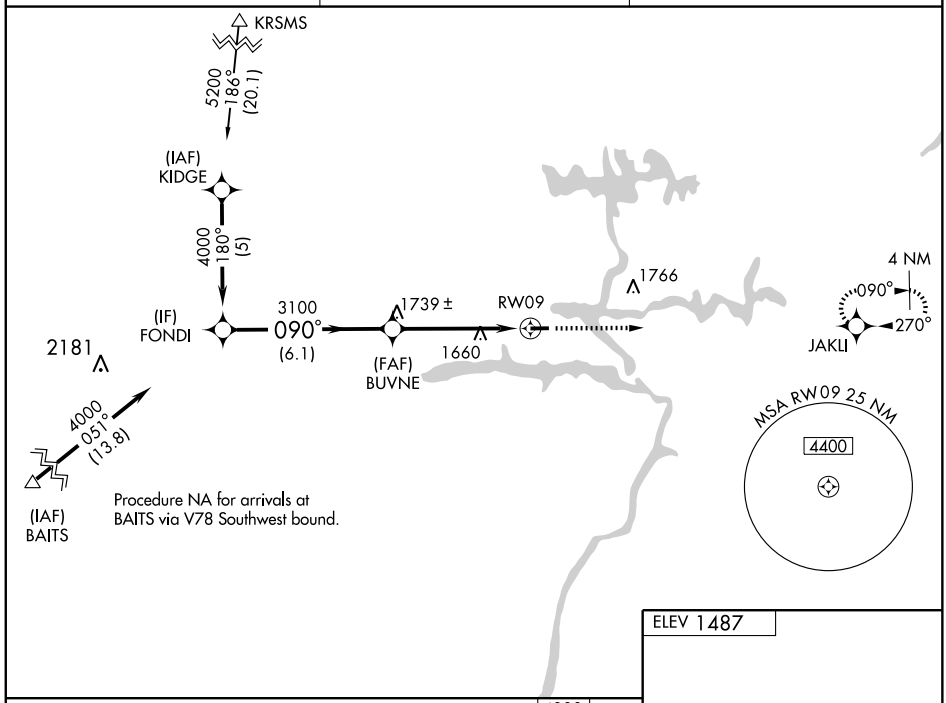
WAAS CH 78308 W09A	APP CRS 090°	Rwy ldg 3998 TDZE 1482 Apt Elev 1487

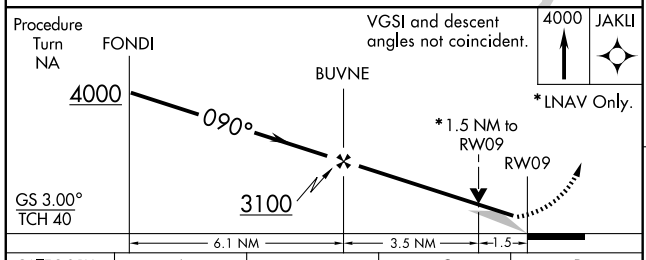
RNAV (GPS) RWY 9
TOMAHAWK RGNL (TKV)

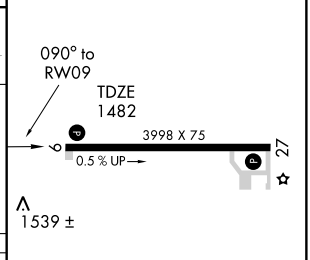
When local altimeter setting not received, use Rhinelander altimeter setting and increase all DA and MDA 60 feet. Increase LPV and LNAV/VNAV visibility ¼ mile all Cats., and LNAV Cat. C, D ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Rhinelinder altimeter setting.

MISSED APPROACH: Climb to 4000 direct JAKLI and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.250	133.65 281.5	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1732-1 250 (300-1)			
LNAV/VNAV DA	1809-1¼ 327 (400-1¼)			
LNAV MDA	1960-1 478 (500-1)		1960-1¼ 478 (500-1¼)	1960-1½ 478 (500-1½)
CIRCLING	1960-1 473 (500-1)		1960-1½ 473 (500-1½)	2040-2 553 (600-2)

MIRL Rwy 9-27 L
REIL Rwys 9 and 27 L

EC-3, 14 JAN 2010 to 11 FEB 2010

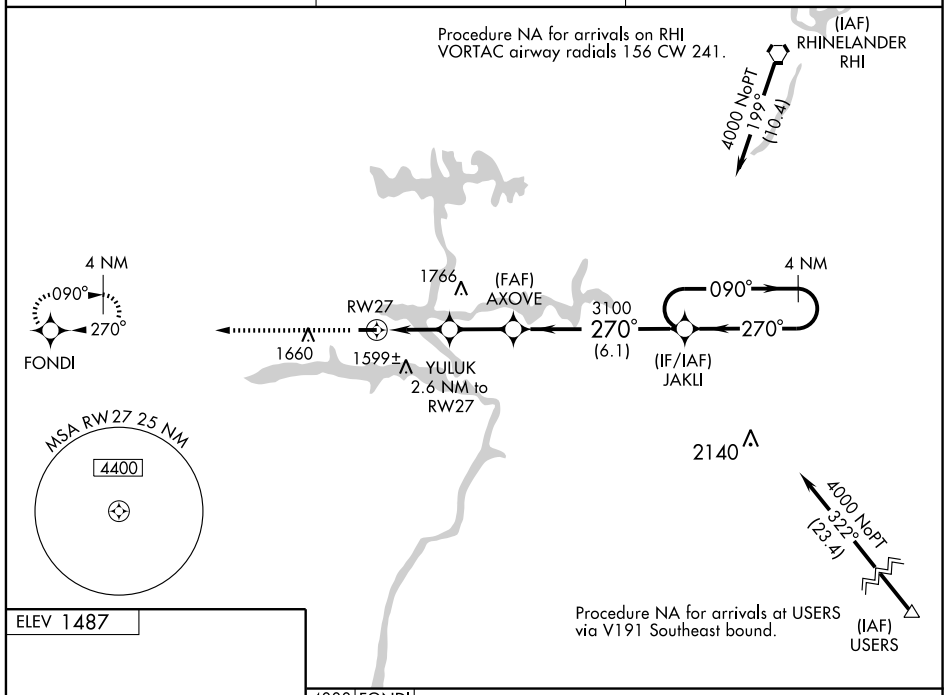
WAAS CH 87008 W27A	APP CRS 270°	Rwy ldg 3998 TDZE 1487 Apt Elev 1487

RNAV (GPS) RWY 27
TOMAHAWK RGNL (TKV)

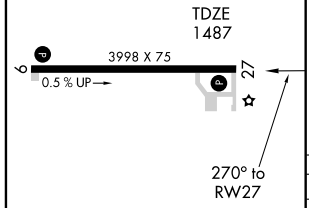
When local altimeter setting not received, use Rhinelander altimeter setting and increase all DA and MDA 60 feet. Increase LNAV/VNAV visibility ¼ mile all Cats., and LNAV Cat. C, D ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Baro-VNAV NA when using Rhinelander altimeter setting. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4000 direct FONDI and hold.

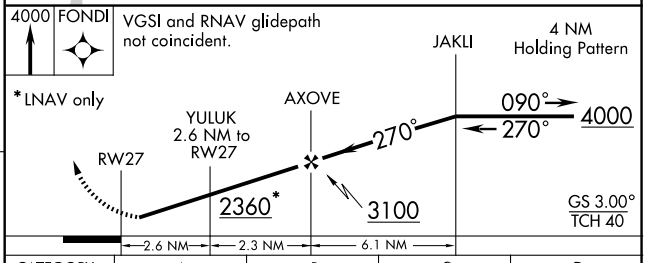
AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.250	133.65 281.5	122.8 (CTAF) L



ELEV 1487



MIRL Rwy 9-27 L
REIL Rwys 9 and 27 L



CATEGORY	A	B	C	D
LPV DA	1737-1 250 (300-1)			
LNAV/VNAV DA	1899-1½ 412 (500-1½)			
LNAV MDA	1940-1 453 (500-1)		1940-1¼ 453 (500-1¼)	1940-1½ 453 (500-1½)
CIRCLING	1940-1 453 (500-1)		1960-1½ 473 (500-1½)	2040-2 553 (600-2)

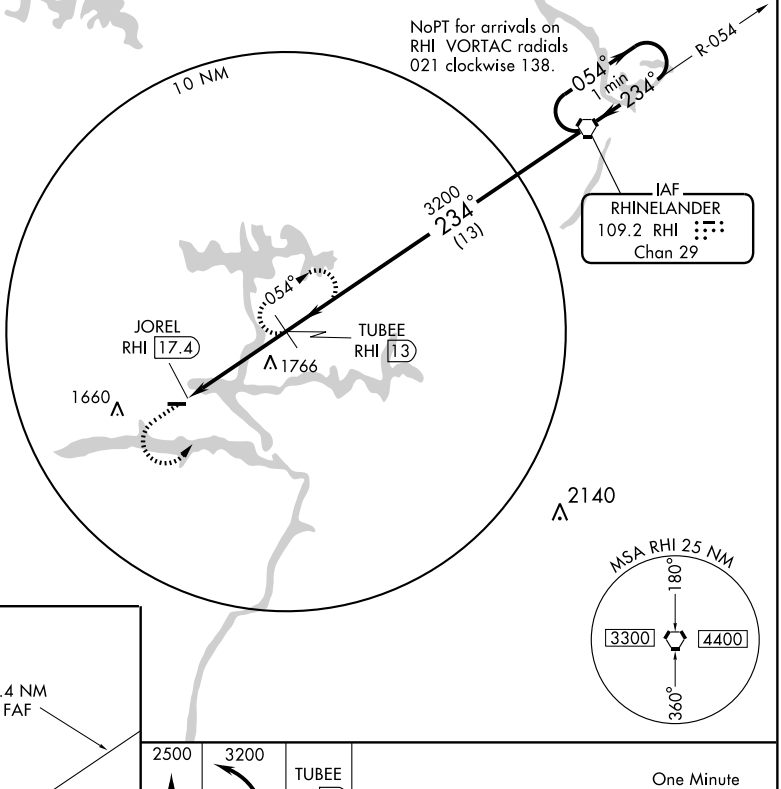
VORTAC RHI 109.2 Chan 29	APP CRS 234°	Rwy ldg N/A TDZE N/A Apt Elev 1486

VOR/DME-A
TOMAHAWK RGNL (TKV)

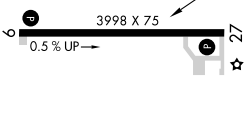
NA Obtain local altimeter setting on CTAF, when not received, use Rhinelander altimeter setting.

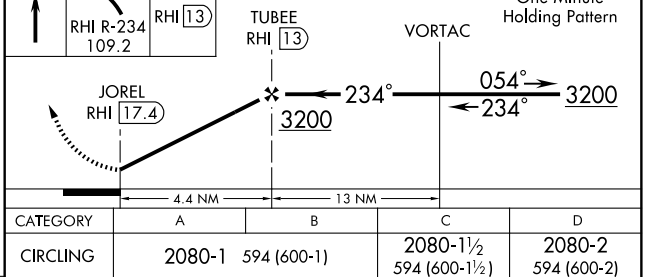
MISSED APPROACH: Climb to 2500 then climbing left turn to 3200 via RHI R-234 to TUBEE/13 DME and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.250	133.65 281.5	122.8 (CTAF) L



ELEV 1486





MIRL Rwy 9-27 L
REIL Rwys 9 and 27 L

Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	2080-1 594 (600-1)		2080-1½ 594 (600-1½)	2080-2 594 (600-2)
RHINELANDER ALTIMETER SETTING MINIMUMS				
CIRCLING	2140-1 654 (700-1)		2140-1¾ 654 (700-1¾)	2140-2 654 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3346
114°	TDZE	1292
	Apt Elev	1292

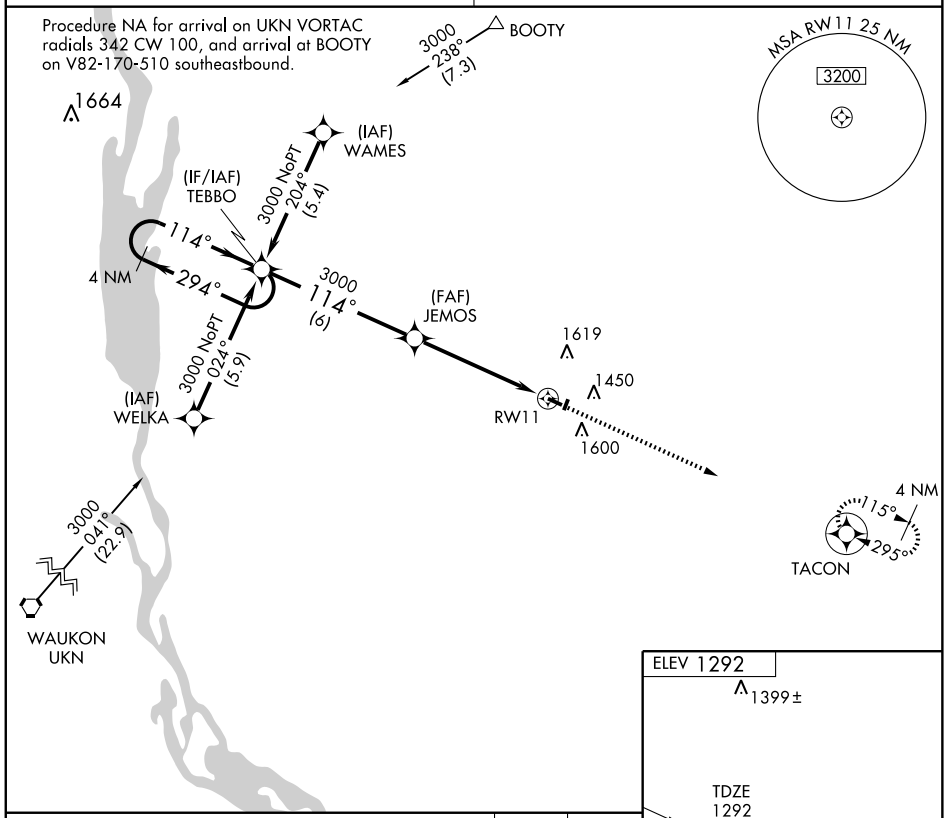
RNAV (GPS) RWY 11
VIROQUA MUNI (Y51)

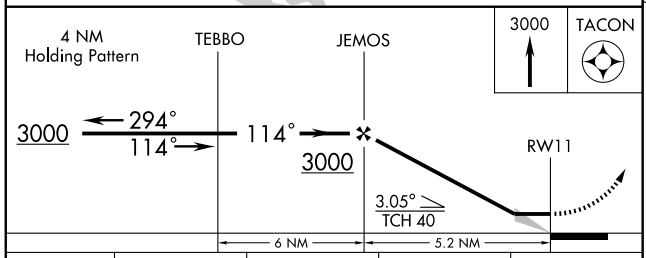
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Use La Crosse altimeter setting.

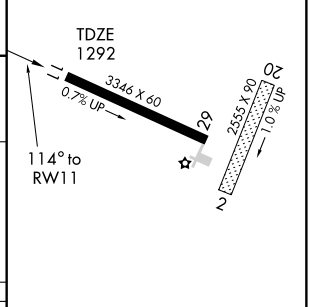
NA

MISSED APPROACH: Climb to 3000 direct TACON WP and hold.

MINNEAPOLIS CENTER	CTAF
128.6 363.0	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1800-1 508 (600-1)		1800-1½ 508 (600-1½)	NA
CIRCLING	2060-1 768 (800-1)	2060-1¼ 768 (800-1¼)	2120-2½ 828 (900-2½)	NA

HIRL Rwy 11-29 L

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3346
295°	TDZE	1292
	Apt Elev	1292

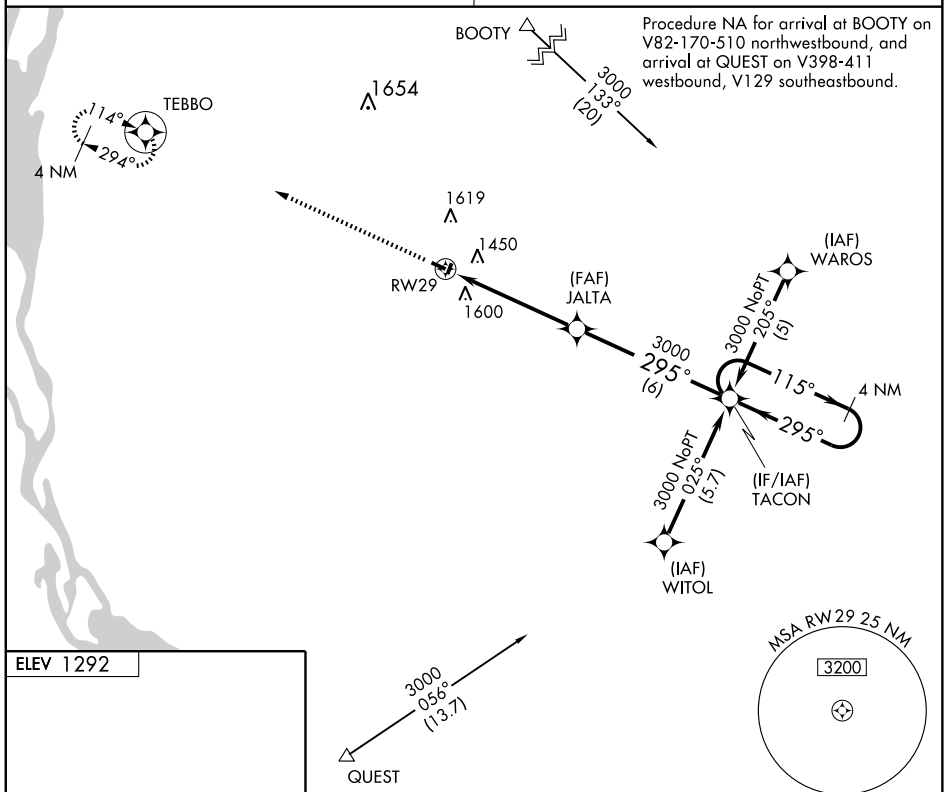
RNAV (GPS) RWY 29
VIROQUA MUNI (Y51)

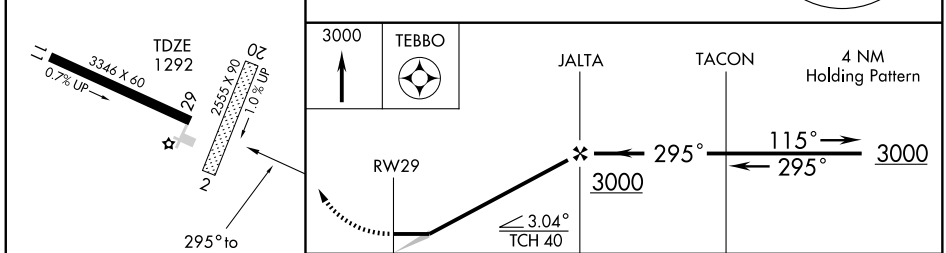
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.
Use La Crosse altimeter setting.

NA

MISSED APPROACH: Climb to 3000 direct TEBBO WP and hold.

MINNEAPOLIS CENTER	CTAF
128.6 363.0	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	1980-1 688 (700-1)		1980-2 688 (700-2)	NA
CIRCLING	2060-1 768 (800-1)	2060-1¼ 768 (800-1¼)	2120-2½ 828 (900-2½)	NA

HIRL Rwy 11-29 L

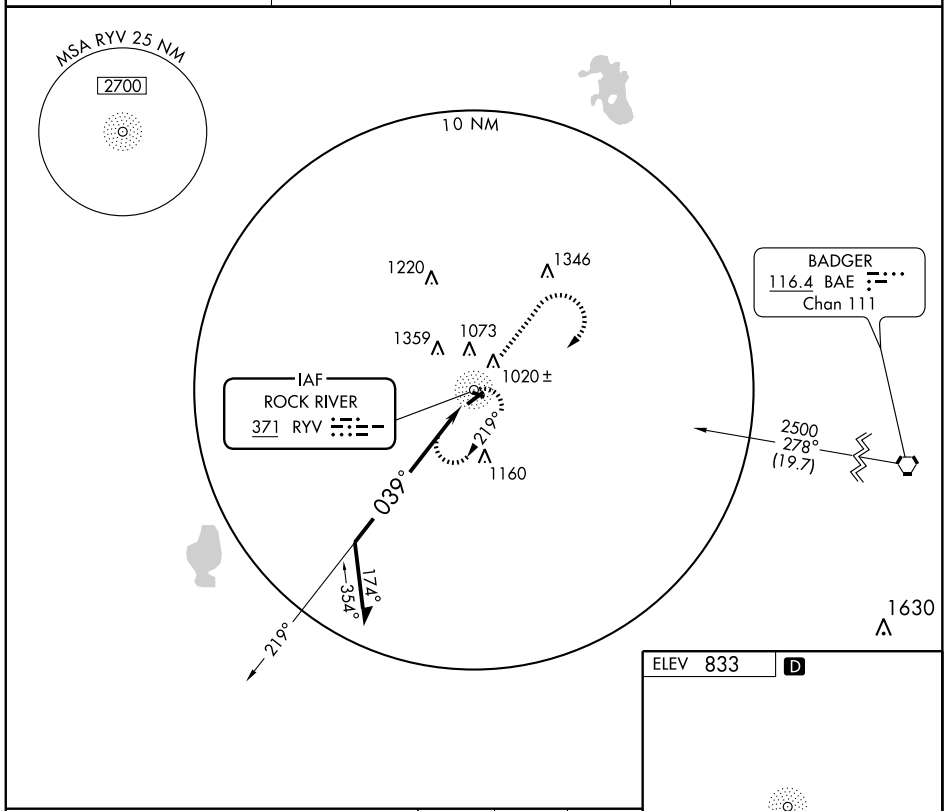
NDB RYV	APP CRS	Rwy ldg	4239
371	039°	TDZE	821
		Apt Elev	833

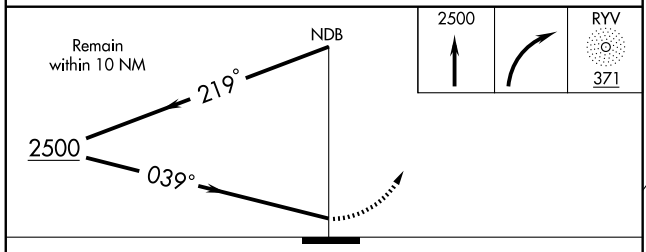
NDB RWY 5
WATERTOWN MUNI (RYV)

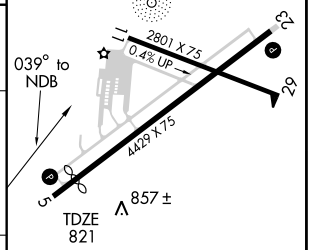
T
A NA

MISSED APPROACH: Climb to 2500 then right turn direct RYV NDB and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-5	1440-1 619 (700-1)		1440-1¾ 619 (700-1¾)	1440-2 619 (700-2)
CIRCLING	1440-1 607 (700-1)		1440-1½ 607 (700-1½)	1720-3 887 (900-3)

REIL Rwys 5 and 23 L
MIRL Rwys 5-23 and 11-29 L

EC-3, 14 JAN 2010 to 11 FEB 2010

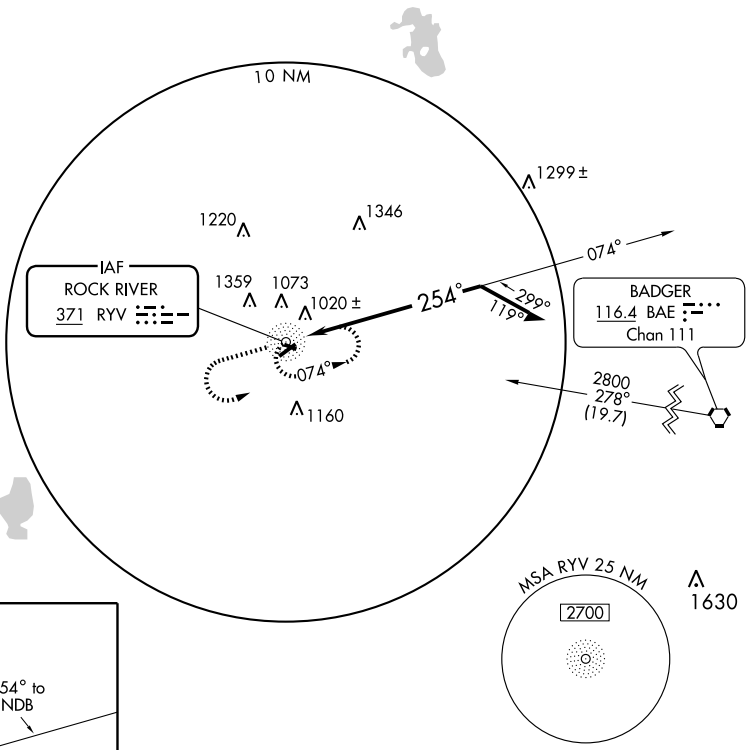
NDB RYV	APP CRS	Rwy ldg	4429
371	254°	TDZE	823
		Apt Elev	833

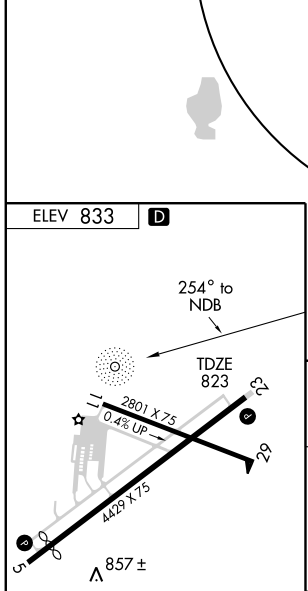
NDB RWY 23
WATERTOWN MUNI (RYV)

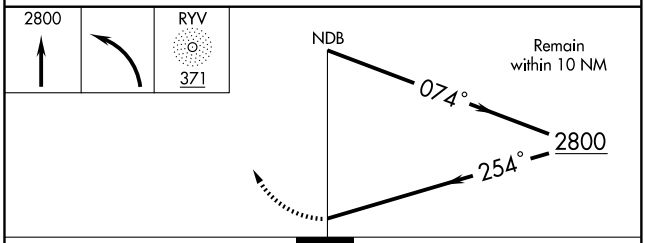
Visibility reduction by helicopters NA. When local altimeter setting not received, use Dodge County altimeter setting and increase all MDA 60 feet, and increase visibility Cat. A, C and D ¼ mile.

MISSED APPROACH: Climb to 2800 then left turn direct RYV NDB and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF)







CATEGORY	A	B	C	D
S-23	1660-1 837 (900-1)	1660-1¼ 837 (900-1¼)	1660-2½ 837 (900-2½)	1660-2¾ 837 (900-2¾)
CIRCLING	1660-1 827 (900-1)	1660-1¼ 827 (900-1¼)	1660-2½ 827 (900-2½)	1720-3 887 (900-3)

REIL Rwys 5 and 23
MIRL Rwys 5-23 and 11-29

EC-3, 14 JAN 2010 to 11 FEB 2010

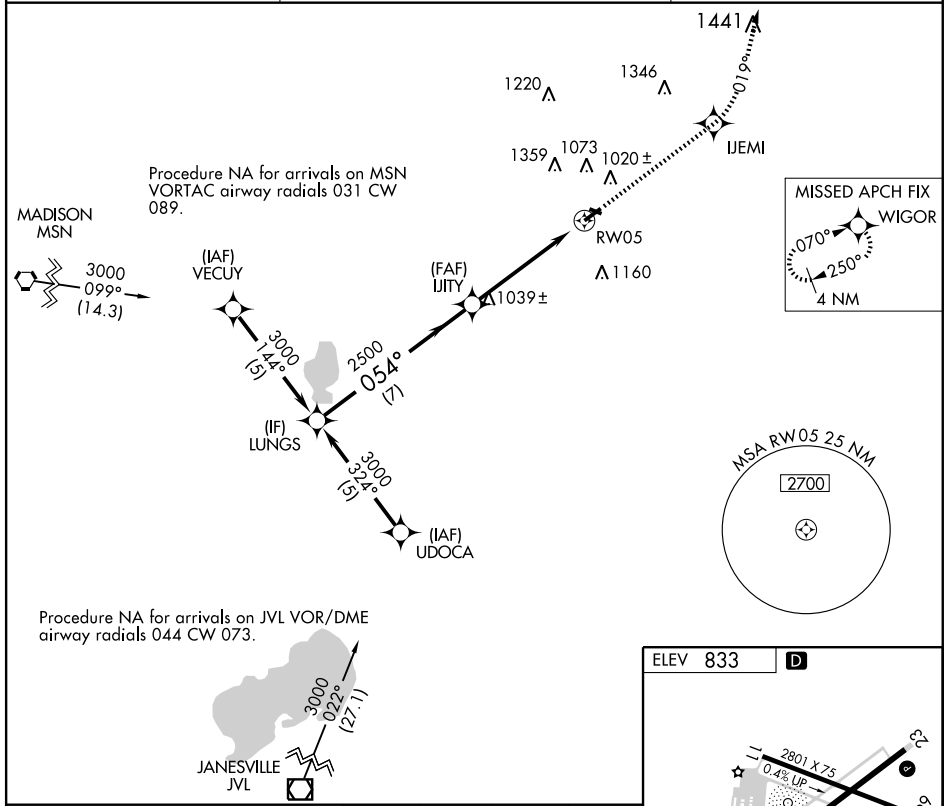
APP CRS	Rwy ldg	4239
054°	TDZE	821
	Apt Elev	833

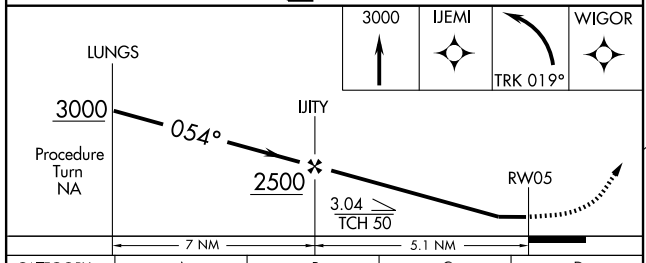
RNAV (GPS) RWY 5
WATERTOWN MUNI (RYV)

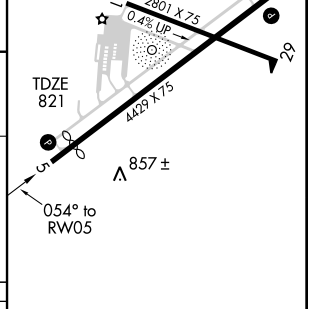
DME/DME RNP-0.3 NA Visibility reduction by helicopters NA. When local altimeter setting not received, use Dodge County altimeter setting. Straight-in minimums to Rwy 5 and Circling to Rwy 5/23 NA at night.

MISSED APPROACH: Climb to 3000 direct IJEMI and left turn via 019° track to WIGOR and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1440-1 619 (700-1)		1440-1¾ 619 (700-1¾)	1440-2 619 (700-2)
CIRCLING	1440-1 607 (700-1)		1440-1¾ 607 (700-1¾)	1720-3 887 (900-3)

REIL Rwys 5 and 23 L
MIRL Rwys 5-23 and 11-29 L

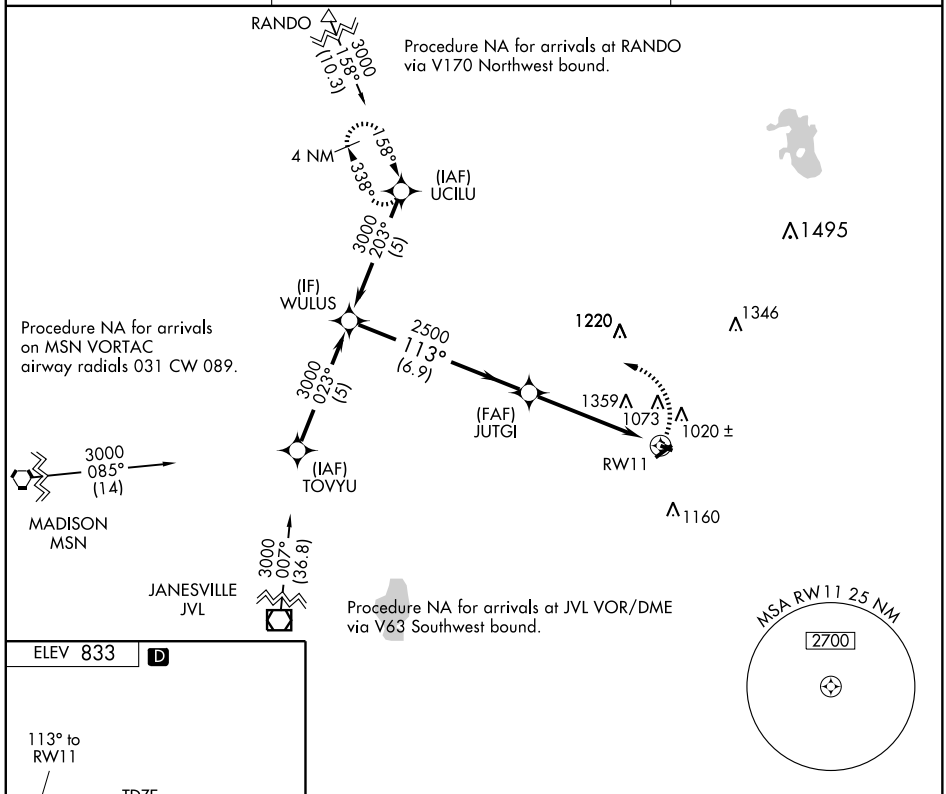
APP CRS	Rwy ldg	2801
113°	TDZE	833
	Apt Elev	833

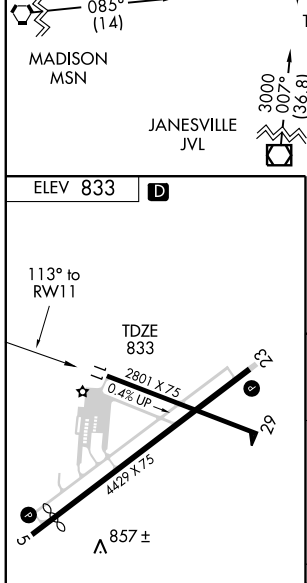
RNAV (GPS) RWY 11
WATERTOWN MUNI (RYV)

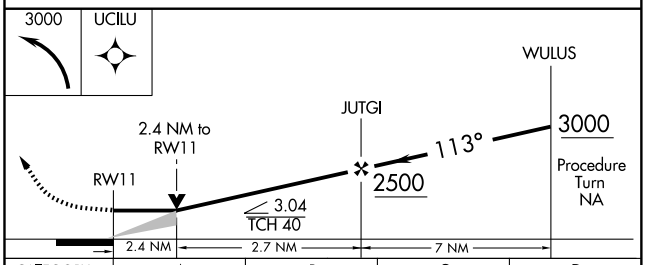
DME/DME RNP-0.3 NA When local altimeter setting not received, use Dodge County altimeter setting and increase all MDA 60 feet, increase LNAV visibility Cat. C and D ¼ mile, increase Circling visibility Cat. C¼ mile. VDP NA when using Dodge County altimeter setting. Circling to Rwy 5/23 NA at night.

MISSED APPROACH: Climbing left turn to 3000 direct UCILU and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1640-1 807 (900-1)	1640-1¼ 807 (900-1¼)	1640-2¼ 807 (900-2¼)	1640-2½ 807 (900-2½)
CIRCLING	1640-1 807 (900-1)	1640-1¼ 807 (900-1¼)	1640-2¼ 807 (900-2¼)	1720-3 887 (900-3)

REIL Rwys 5 and 23 L
MIRL Rwys 5-23 and 11-29 L

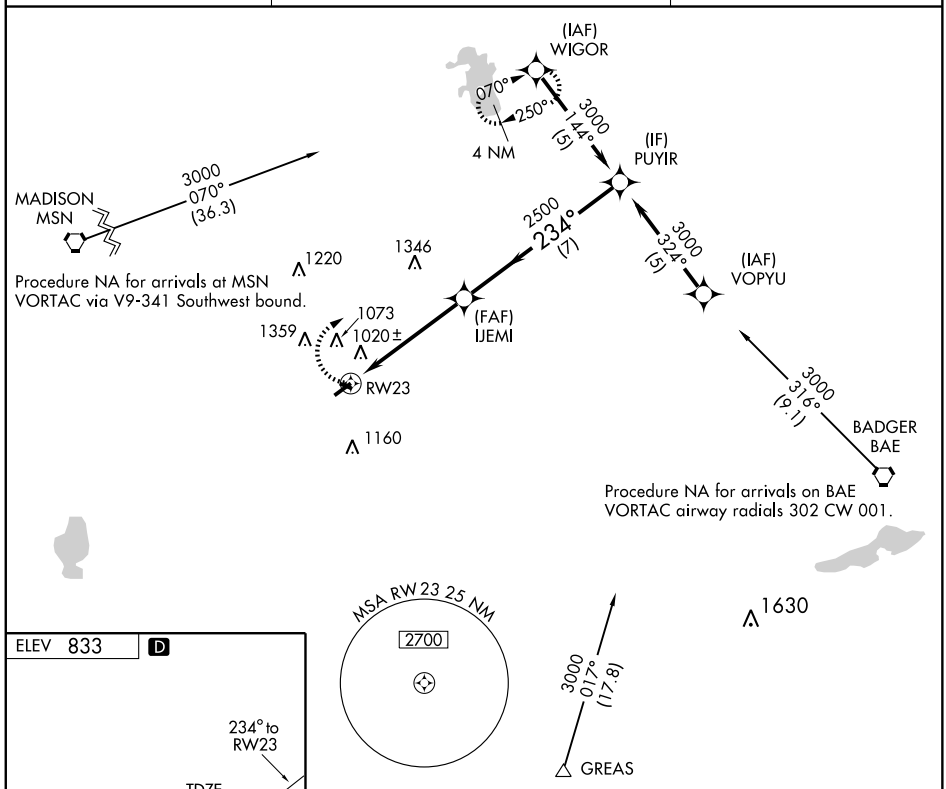
APP CRS	Rwy ldg	4429
234°	TDZE	823
	Apt Elev	833

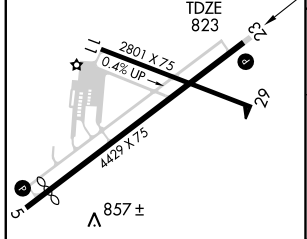
RNAV (GPS) RWY 23
WATERTOWN MUNI (RYV)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Dodge County altimeter setting and increase all MDA 60 feet, and increase LNAV Cat. C and D visibility ¼ mile. Straight-in minimums to Rwy 23 and Circling to Rwy 5/23 NA at night.

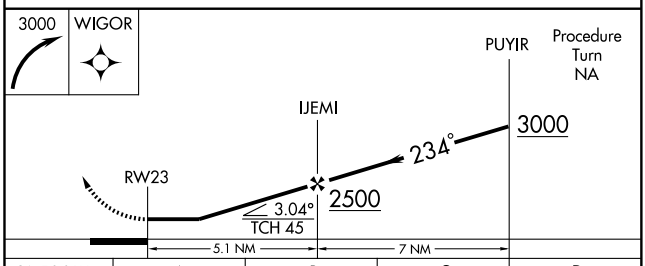
MISSED APPROACH: Climbing right turn to 3000 direct WIGOR and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF) L





REIL Rwys 5 and 23 L
MIRL Rwys 5-23 and 11-29 L



CATEGORY	A	B	C	D
LNAV MDA	1420-1 597 (600-1)		1420-1½ 597 (600-1½)	1420-1¾ 597 (600-1¾)
CIRCLING	1420-1 587 (600-1)	1440-1 607 (700-1)	1440-1¾ 607 (700-1¾)	1720-3 887 (900-3)

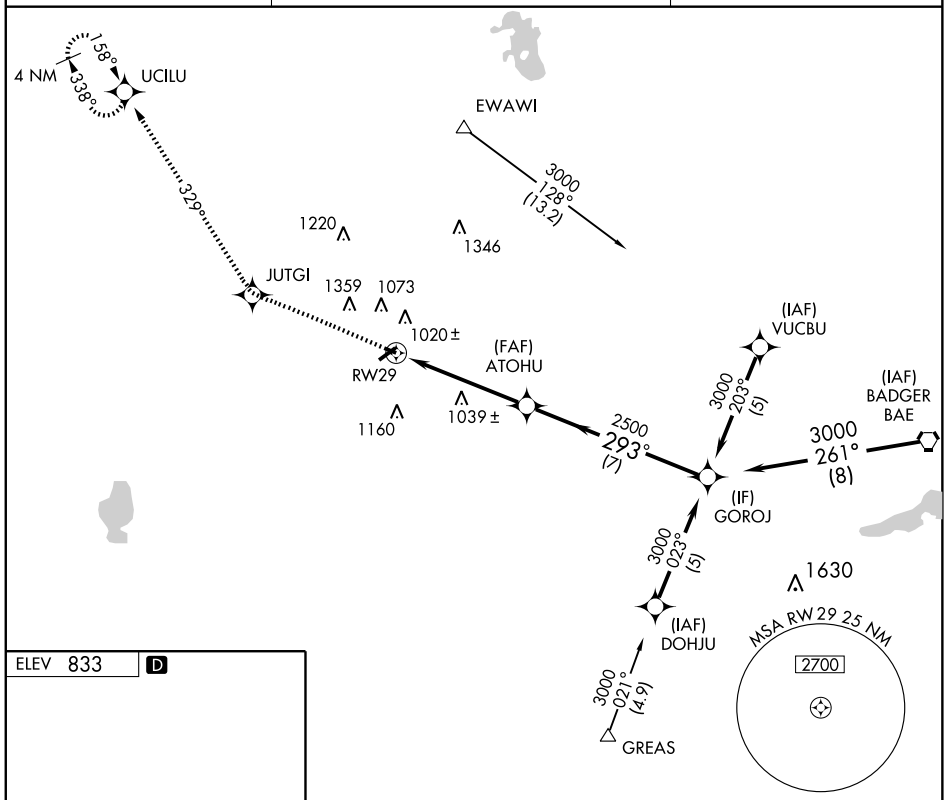
APP CRS	Rwy ldg	2801
293°	TDZE	833
	Apt Elev	833

RNAV (GPS) RWY 29
WATERTOWN MUNI (RYV)

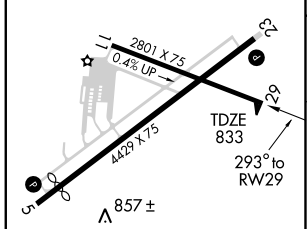
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Dodge County altimeter setting and increase all MDA 60 feet, increase LNAV Cat. C and D visibility ¼ mile.

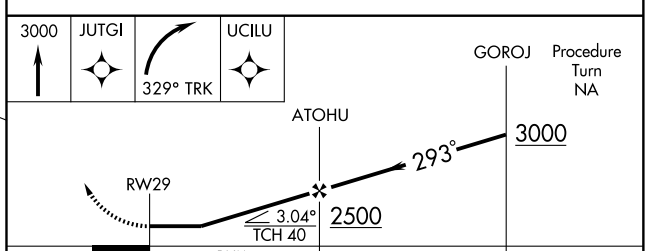
MISSED APPROACH: Climb to 3000 direct JUTGI and right turn via 329° track to UCILU and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF) L



ELEV 833 D





CATEGORY	A	B	C	D
LNAV MDA	1400-1 567 (600-1)		1400-1½ 567 (600-1½)	1400-1¾ 567 (600-1¾)
CIRCLING	1400-1 567 (600-1)	1440-1 607 (700-1)	1440-1¾ 607 (700-1¾)	1720-3 887 (900-3)

REIL Rwys 5 and 23 L
MIRL Rwys 5-23 and 11-29 L

EC-3, 14 JAN 2010 to 11 FEB 2010

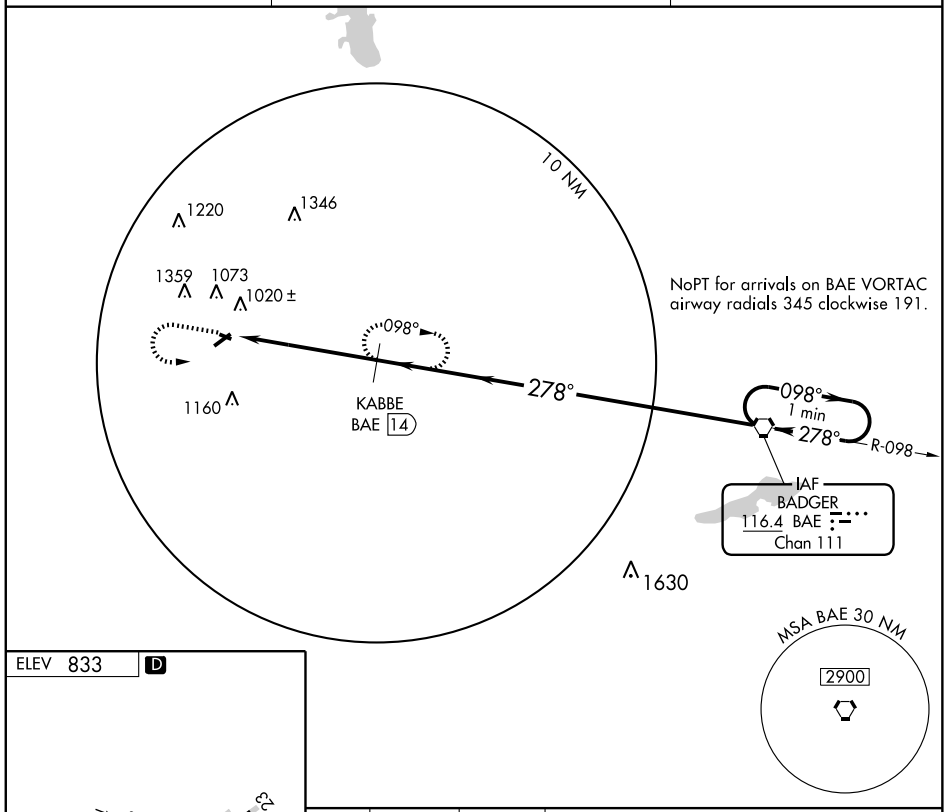
WATERTOWN, WISCONSIN AL-6179 (FAA)

VORTAC BAE 116.4 Chan 111	APP CRS 278°	Rwy ldg 2801 TDZE 833 Apt Elev 833

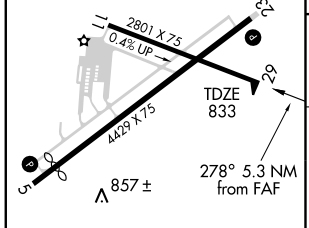
VOR/DME RWY 29
WATERTOWN MUNI (RYV)

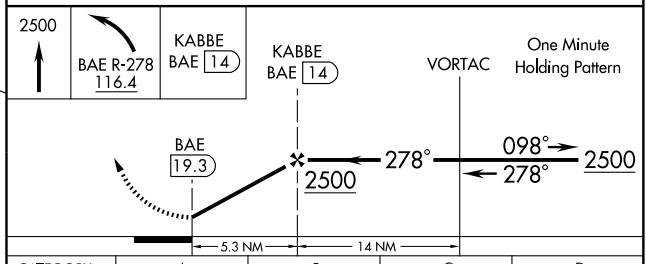
MISSED APPROACH: Climb to 2500 then left turn via BAE R-278 to KABBE 14 DME and hold.

AWOS-3	MADISON APP CON ★	UNICOM
119.975	119.15 343.7	122.8 (CTAF) L



ELEV 833 D





CATEGORY	A	B	C	D
S-29	1420-1 587 (600-1)		1420-1½ 587 (600-1½)	1420-1¾ 587 (600-1¾)
CIRCLING	1420-1 587 (600-1)	1440-1 607 (700-1)	1440-1¾ 607 (700-1¾)	1720-3 887 (900-3)

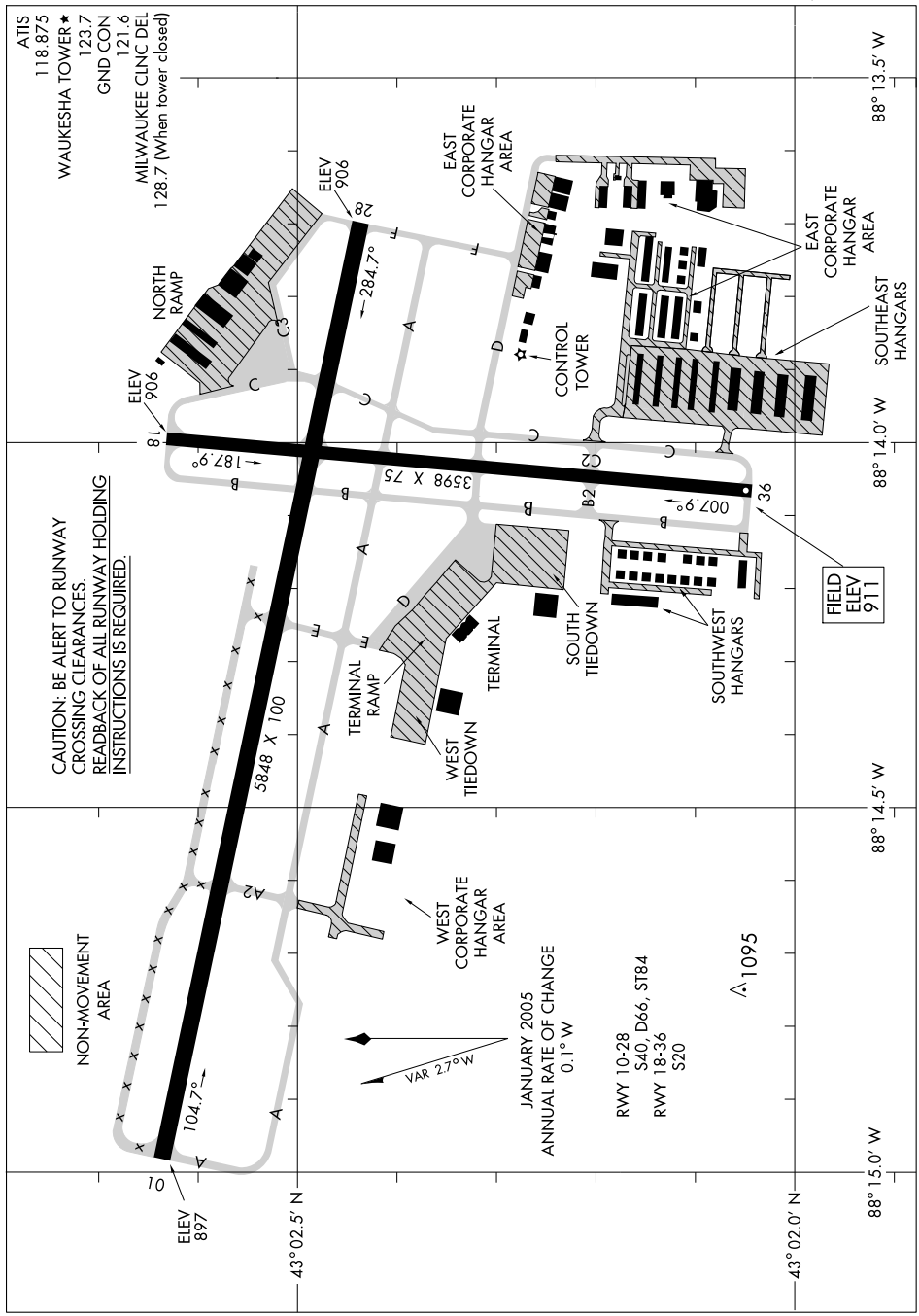
REIL Rwys 5 and 23 L
MIRL Rwys 5-23 and 11-29 L

EC-3, 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

AL-5078 (FAA)

WAUKESHA COUNTY (UES)
WAUKESHA, WISCONSIN



LOC I-SKC	APP CRS	Rwy ldg	5848
109.5	103°	TDZE	901
		Apt Elev	911

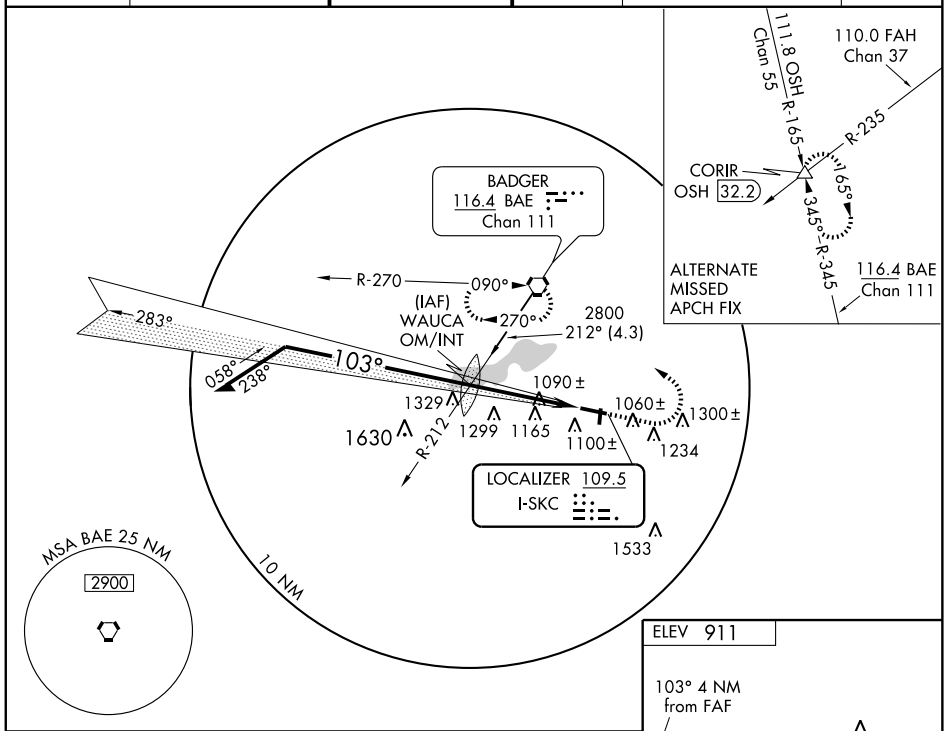
ILS or LOC RWY 10
WAUKESHA COUNTY (UES)

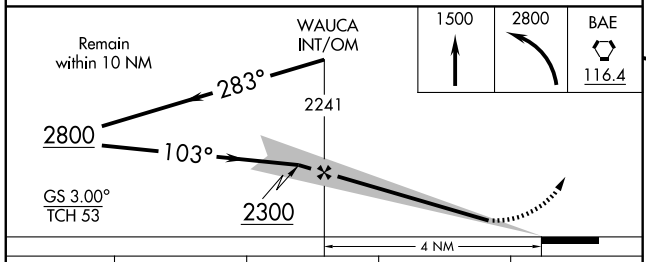
When local altimeter setting not received, use Lawrence J. Timmerman altimeter setting and increase DA to 1147 and all MDAs 60 feet, increase S-LOC 10 Cat. C visibility to RVR 5000, Cat. D to RVR 6000. Increase circling visibility Cat. D ¼ mile.
* RVR 1800 authorized with the use of FD or AP or HUD to DA.

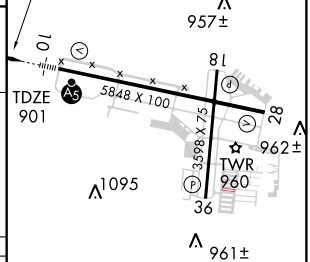
MALSR

MISSED APPROACH: Climb to 1500 then climbing left turn to 2800 direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	WAUKESHA TOWER *	GND CON	MILWAUKEE CLNC DEL	UNICOM
118.875	128.7 (North) 307.0	123.7 (CTAF) L	121.6	128.7 (When tower closed)	122.95







CATEGORY	A	B	C	D
S-ILS-10	*1101/24 200 (200-½)			
S-LOC-10	1360/24 459 (500-½)		1360/40 459 (500-¾)	1360/50 459 (500-1)
CIRCLING	1460-1 549 (600-1)	1480-1 569 (600-1)	1520-1¾ 609 (700-1¾)	1600-2¼ 689 (700-2¼)

HIRL Rwy 10-28 L
MIRL Rwy 18-36 L
REIL Rwy 18, 28 and 36 L

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

WAAS CH 53411 W10A	APP CRS 103°	Rwy ldg 5848 TDZE 901 Apt Elev 911

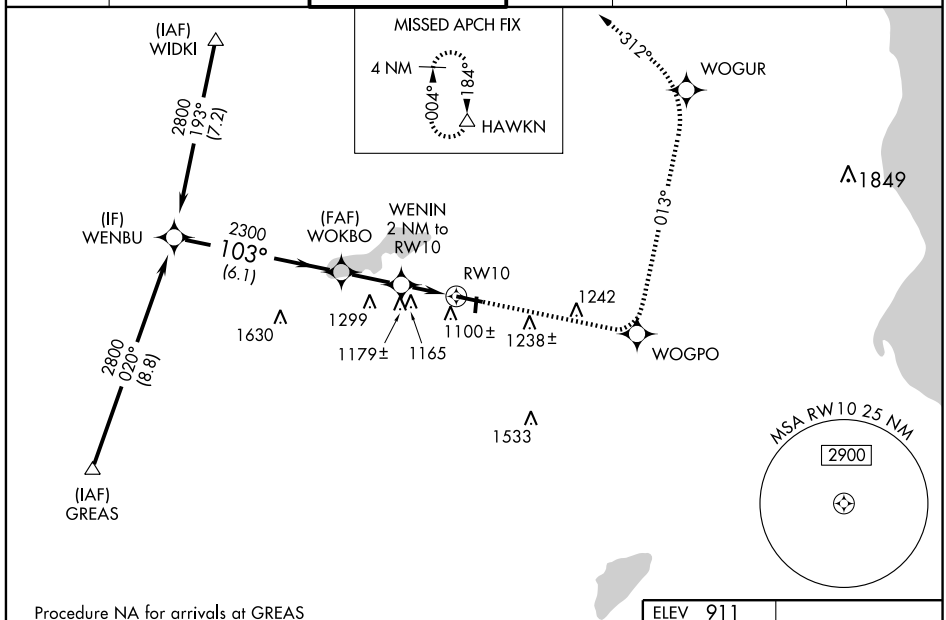
RNAV (GPS) RWY 10
WAUKESHA COUNTY (UES)

Baro-VNAV NA when using Lawrence J Timmerman altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Lawrence J Timmerman altimeter setting and increase all DA 46 feet and all MDA 60 feet, increase LNAV/VNAV all Cats. visibility ¼ mile; increase Circling Cat. D visibility ¼ mile.

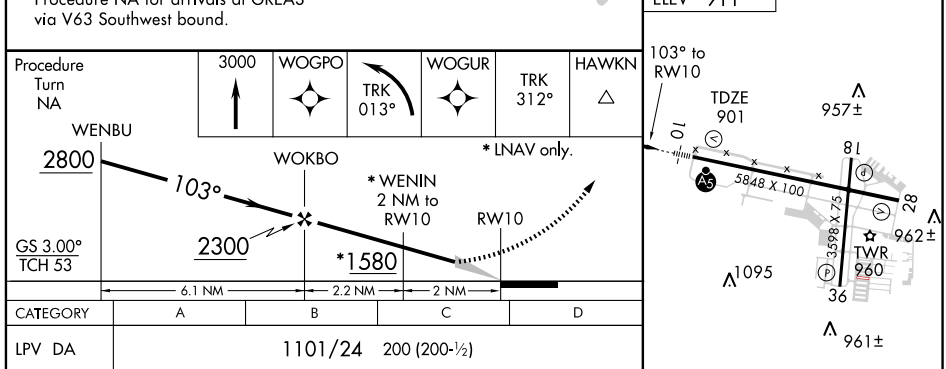
MALSR

MISSED APPROACH: Climb to 3000 direct WOGPO and left turn via 013° track to WOGUR and via 312° track to HAWKN and hold.

ATIS	MILWAUKEE APP CON	WAUKESHA TOWER*	GND CON	MILWAUKEE CLNC DEL	UNICOM
118.875	128.7 (North) 307.0	123.7 (CTAF) L	121.6	128.7 (When tower closed)	122.95



Procedure NA for arrivals at GREAS via V63 Southwest bound.



CATEGORY	A	B	C	D
LPV DA	1101/24 200 (200-½)			
LNAV/VNAV DA	1537-1¾ 636 (700-1¾)			
LNAV MDA	1440/24 539 (600-½)		1440/50 539 (600-1)	1440/60 539 (600-1¼)
CIRCLING	1460-1 549 (600-1)	1480-1 569 (600-1)	1520-1¾ 609 (700-1¾)	1600-2¼ 689 (700-2¼)

HIRL Rwy 10-28 L
MIRL Rwy 18-36 L
REIL Rwy 18, 28 and 36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

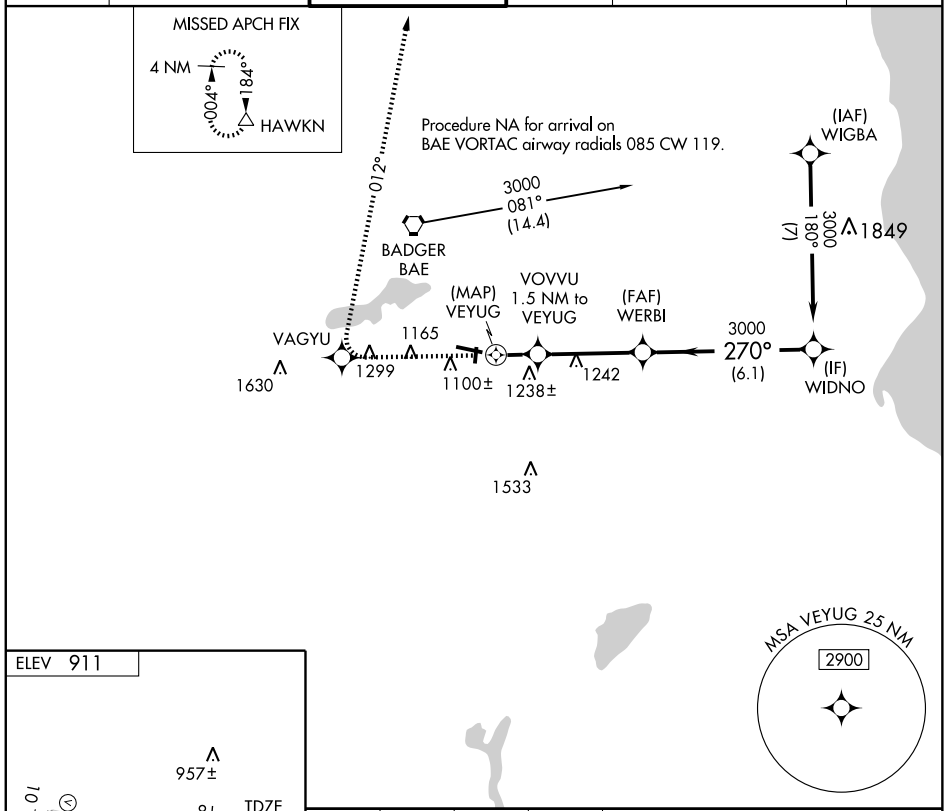
APP CRS	Rwy ldg	5848
270°	TDZE	906
	Apt Elev	911

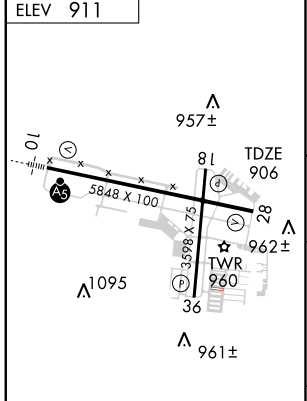
RNAV (GPS) RWY 28
WAUKESHA COUNTY (UES)

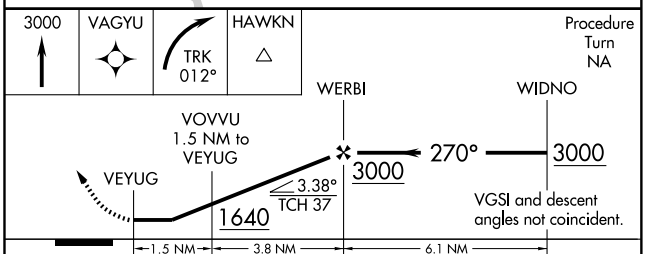
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Lawrence J Timmerman altimeter setting and increase all MDA 60 feet, increase Circling Cat. C and D visibility ¼ mile.

MISSED APPROACH: Climb to 3000 direct VAGYU and right turn via 012° track to HAWKN and hold.

ATIS	MILWAUKEE APP CON	WAUKESHA TOWER★	GND CON	MILWAUKEE CLNC DEL	UNICOM
118.875	128.7 (North) 307.0	123.7 (CTAF) L	121.6	128.7 (When tower closed)	122.95







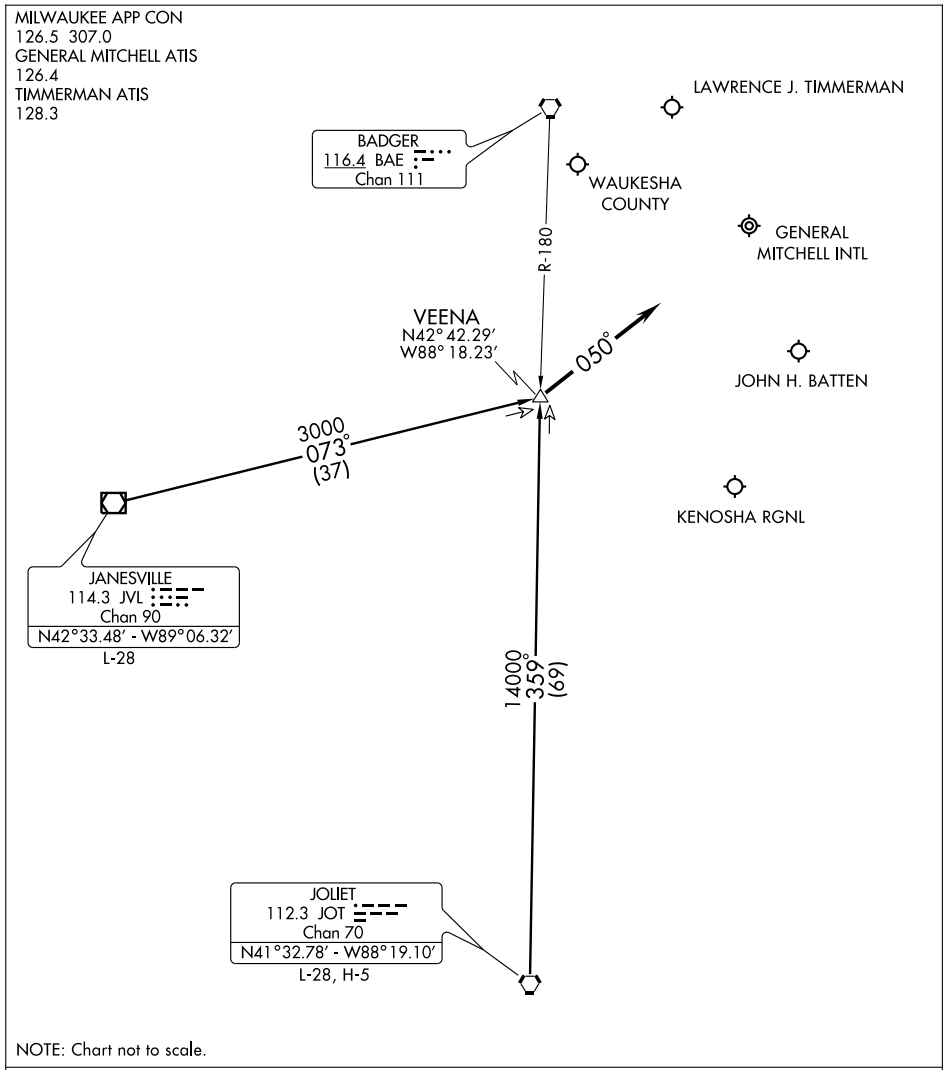
CATEGORY	A	B	C	D
LNAV MDA	1420-1 514 (600-1)		1420-1½ 514 (600-1½)	1420-1¾ 514 (600-1¾)
CIRCLING	1460-1 549 (600-1)	1480-1 569 (600-1)	1520-1¾ 609 (700-1¾)	1600-2¼ 689 (700-2¼)

HIRL Rwy 10-28 L
MIRL Rwy 18-36 L
REIL Rwy 18, 28 and 36 L

EC-3, 14 JAN 2010 to 11 FEB 2010

VEENA ONE ARRIVAL (VEENA.VEENA1)

MILWAUKEE, WISCONSIN



NOTE: Chart not to scale.

JANESVILLE TRANSITION (JVL.VEENA1): From over JVL VOR/DME via JVL R-073 to VEENA INT. Thence....

JOLIET TRANSITION (JOT.VEENA1): From over JOT VORTAC via JOT R-359 to VEENA INT. Thence....

.... depart VEENA INT heading 050° for initial vector to final approach.

LOST COMMUNICATIONS: From VEENA INT proceed direct IAF for destination airport.

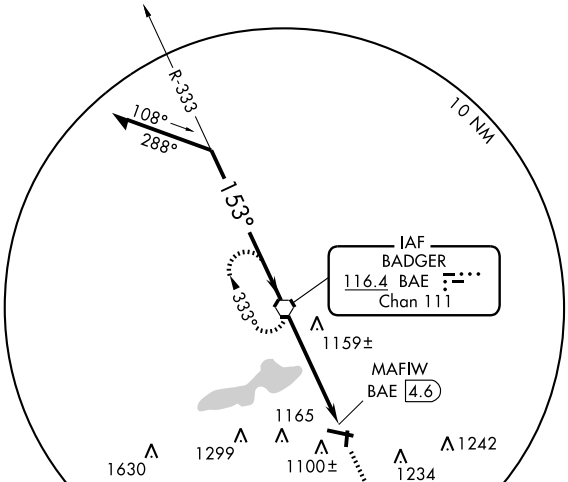
VORTAC BAE 116.4 Chan 111	APP CRS 153°	Rwy ldg N/A TDZE N/A Apt Elev 911

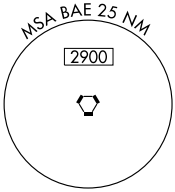
VOR-A
WAUKESHA COUNTY (UES)

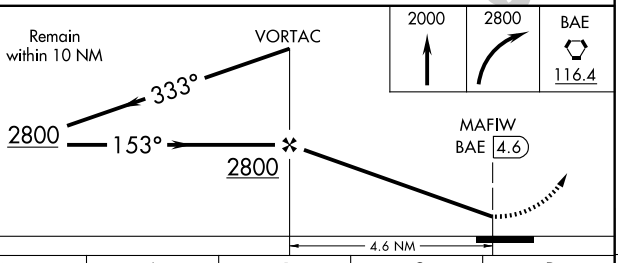
When local altimeter setting not received, use Lawrence J Timmerman altimeter setting and increase all MDA 60 feet, increase Circling Cat. D visibility ¼ mile.

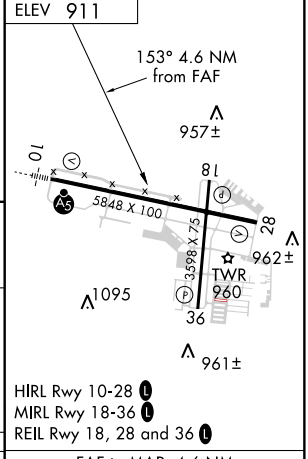
MISSED APPROACH: Climb to 2000, then climbing right turn to 2800 direct BAE VORTAC and hold.

ATIS	MILWAUKEE APP CON	WAUKESHA TOWER★	GND CON	MILWAUKEE CLNC DEL	UNICOM
118.875	128.7 (North) 307.0	123.7 (CTAF) L	121.6	128.7 (When tower closed)	122.95









CATEGORY	A	B	C	D
CIRCLING	1460-1 549 (600-1)	1480-1 569 (600-1)	1520-1¾ 609 (700-1¾)	1600-2¼ 689 (700-2¼)

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

EC-3, 14 JAN 2010 to 11 FEB 2010

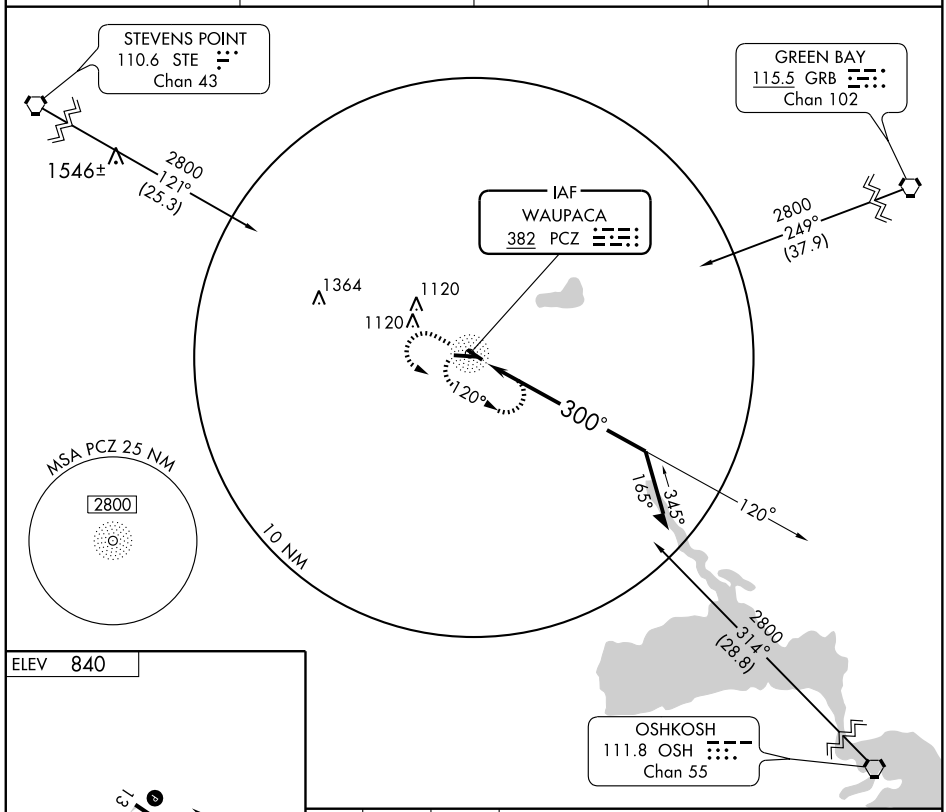
NDB PCZ	APP CRS	Rwy ldg	3899
382	300°	TDZE	819
		Apt Elev	840

NDB RWY 31
WAUPACA MUNI (PCZ)

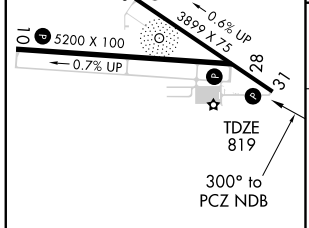
If local altimeter setting not received, use Outagamie County Rgnl altimeter setting and increase all MDAs 80 feet.
NA Circling to Rwy 13 NA at night.

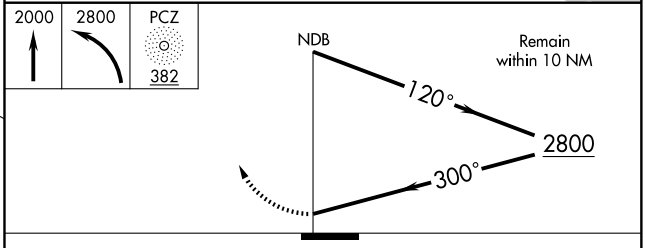
MISSED APPROACH: Climb to 2000 then climbing left turn to 2800 direct PCZ NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.625	124.4 317.7	121.725	122.8 (CTAF) L



ELEV 840





CATEGORY	A	B	C	D
S-31	1440-1	621 (600-1)	1440-1¾ 621 (600-1¾)	1440-2 621 (600-2)
CIRCLING	1440-1	600 (600-1)	1440-1¾ 600 (600-1¾)	1440-2 600 (600-2)

REIL Rwy 10 L
MIRL Rwy 10-28 and 13-31 L

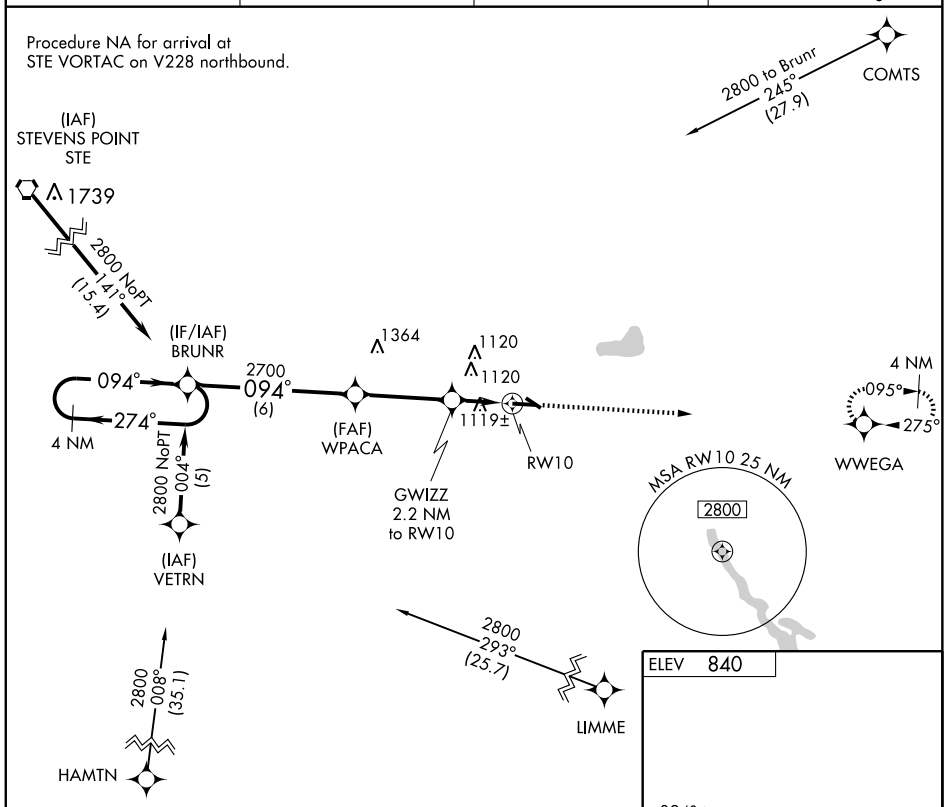
APP CRS	Rwy ldg	5200
094°	TDZE	840
	Apt Elev	840

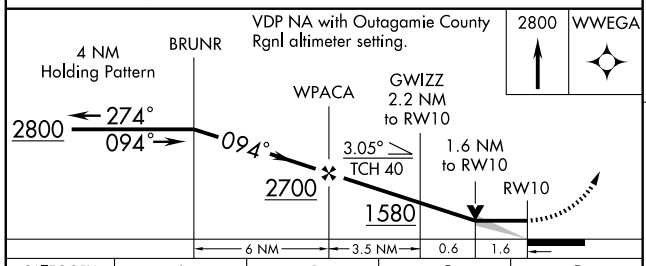
RNAV (GPS) RWY 10
WAUPACA MUNI (PCZ)

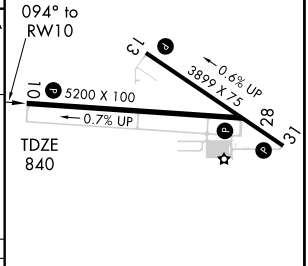
If local altimeter setting not received, use Outagamie County Rgnl altimeter setting and increase all MDAs 80 feet.
Circling to Rwy 13 NA at night. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2800 direct WWEGA and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.625	124.4 317.7	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	1380-1 540 (600-1)		1380-1½ 540 (600-1½)	1380-1¾ 540 (600-1¾)
CIRCLING	1420-1 580 (600-1)		1420-1½ 580 (600-1½)	1420-2 580 (600-2)

REIL Rwy 10 L
MIRL Rwy 10-28 and 13-31 L

EC-3. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5200
275°	TDZE	825
	Apt Elev	840

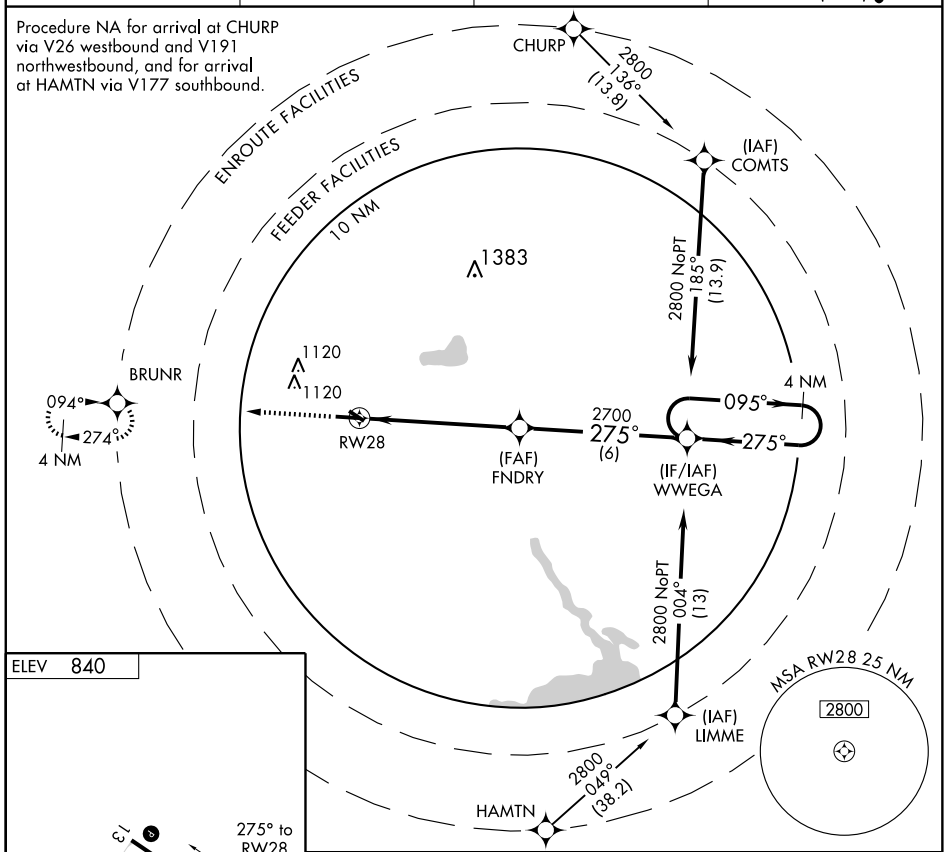
RNAV (GPS) RWY 28
WAUPACA MUNI (PCZ)

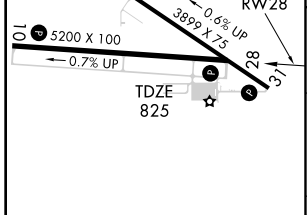
If local altimeter setting not received, use Outagamie County Rgnl altimeter setting and increase all MDAs 80 feet.
Circling to Rwy 13 NA at night. DME/DME RNP-0.3 NA.

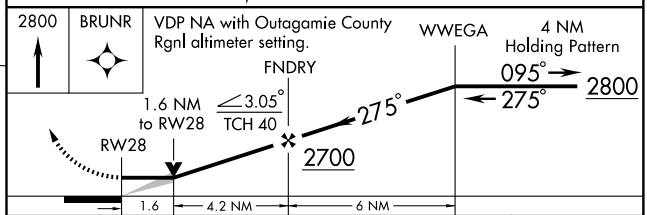
MISSED APPROACH: Climb to 2800 direct BRUNR and hold.

AWOS-3	MINNEAPOLIS CENTER	GCO	UNICOM
118.625	124.4 317.7	121.725	122.8 (CTAF) L

Procedure NA for arrival at CHURP via V26 westbound and V191 northwestbound, and for arrival at HAMTN via V177 southbound.







CATEGORY	A	B	C	D
LNAV MDA	1340-1 515 (500-1)		1340-1½ 515 (500-1½)	1340-1¾ 515 (500-1¾)
CIRCLING	1420-1 580 (600-1)		1420-1½ 580 (600-1½)	1420-2 580 (600-2)

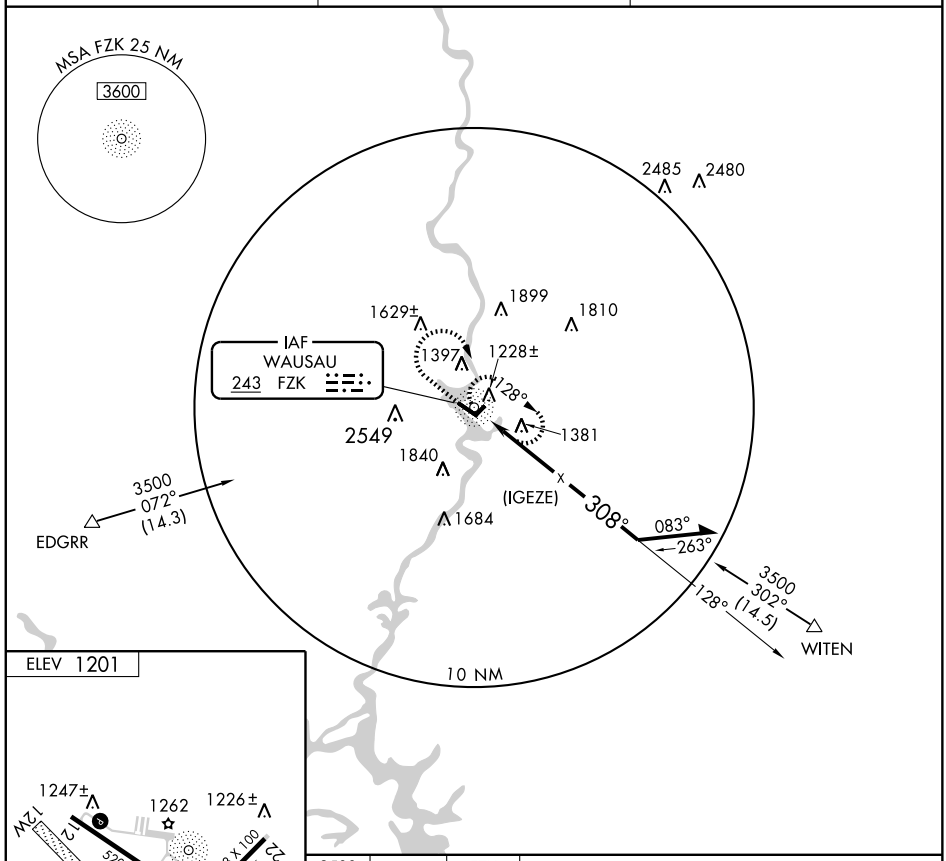
REIL Rwy 10 L
MIRL Rwy 10-28 and 13-31 L

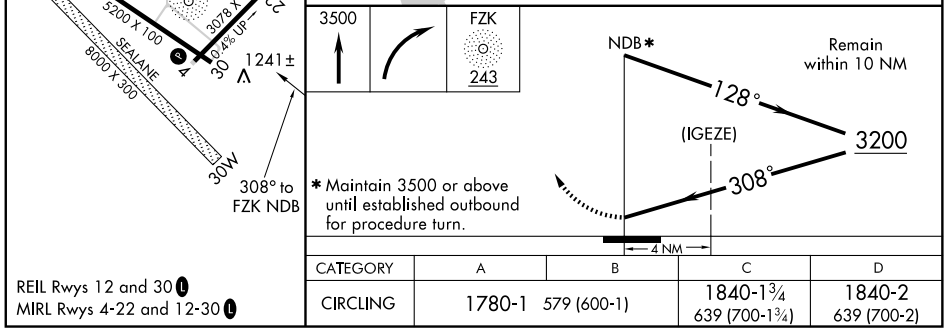
NDB FZK 243	APP CRS 308°	Rwy ldg N/A TDZE N/A Apt Elev 1201

NDB or GPS-B
WAUSAU DOWNTOWN (AUW)

NA Circling not authorized SW of Rwy 12-30.	MISSED APPROACH: Climb to 3500 then right turn direct FZK NDB and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
125.925	124.4 317.7	122.7 (CTAF) L





REIL Rwys 12 and 30 L
MIRL Rwys 4-22 and 12-30 L

CATEGORY	A	B	C	D
CIRCLING	1780-1	579 (600-1)	1840-1¾ 639 (700-1¾)	1840-2 639 (700-2)

APP CRS	Rwy ldg	5200
123°	TDZE	1195
	Apt Elev	1201

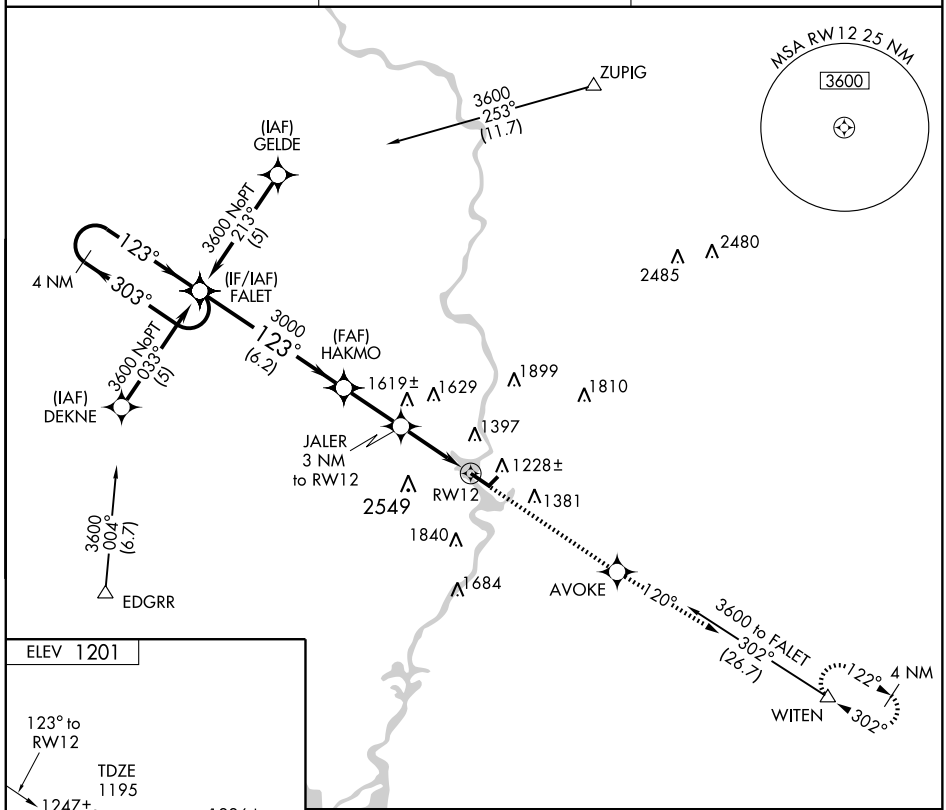
RNAV (GPS) RWY 12
WAUSAU DOWNTOWN (AUW)

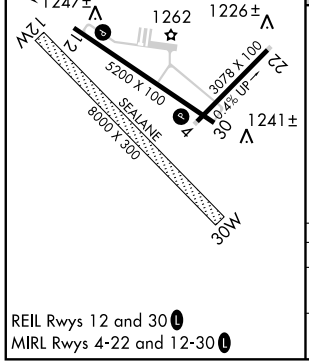
T A

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Circling NA Southwest of Rwy 12-30. When local altimeter setting not received, use Mosinee altimeter setting and increase all MDAs 40 feet and LNAV visibility Cat. C ¼mile, and Circling visibility Cats. C and D ¼mile.

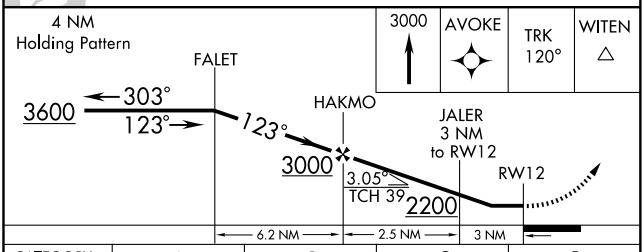
MISSED APPROACH: Climb to 3000 direct AVOKE and via 120° track to WITEN and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
125.925	124.4 317.7	122.7 (CTAF) L





REIL Rwys 12 and 30 L
MIRL Rwys 4-22 and 12-30 L



CATEGORY	A	B	C	D
LNAV MDA	1660-1 465 (500-1)		1660-1¼ 465 (500-1¼)	1660-1½ 465 (500-1½)
CIRCLING	1840-1 639 (700-1)		1840-1¾ 639 (700-1¾)	1840-2 639 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

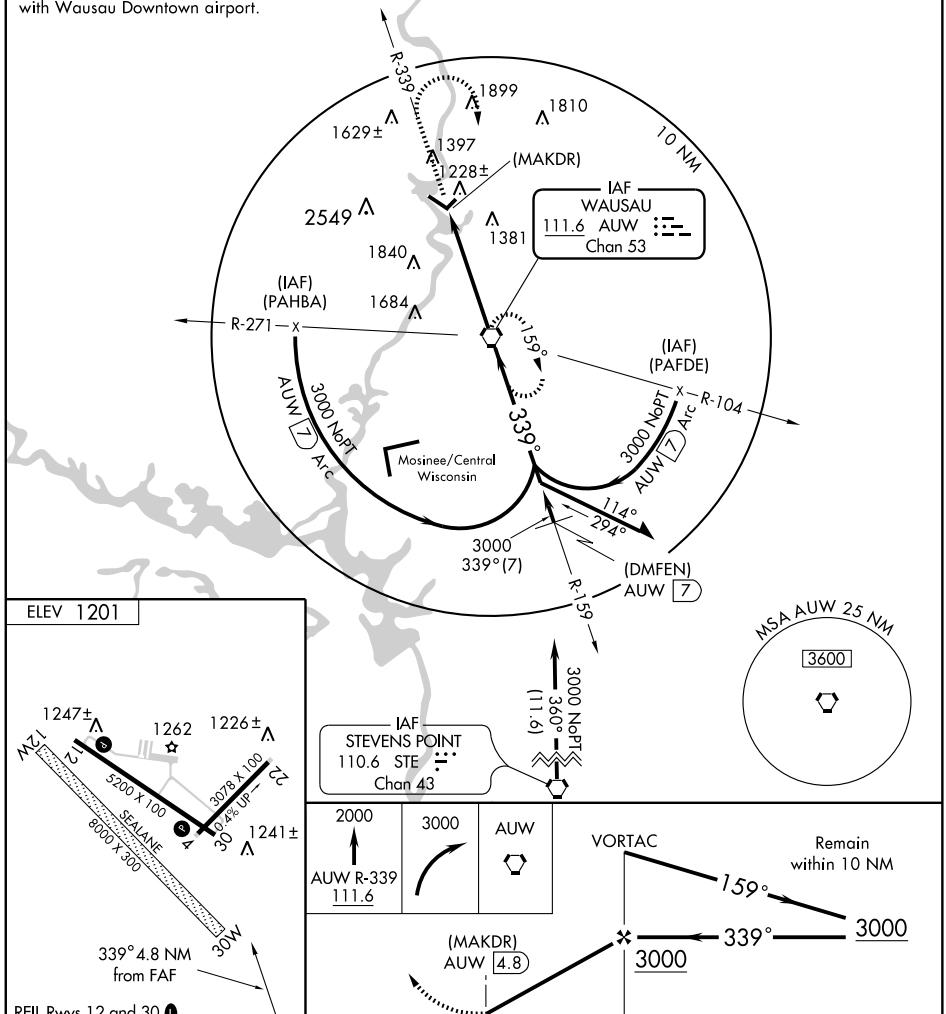
VORTAC AUW 111.6 Chan 53	APP CRS 339°	Rwy ldg N/A TDZE N/A Apt Elev 1201

VOR or GPS-A
WAUSAU DOWNTOWN (AUW)

Circling not authorized southwest of Runway 12-30.

MISSED APPROACH: Climb to 2000 via AUW R-339 then climbing right turn to 3000 direct AUW VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
125.925	124.4 317.7	122.7 (CTAF) L



FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

CATEGORY	A	B	C	D
CIRCLING	1840-1 639 (700-1)		1840-1¾ 639 (700-1¾)	1840-2 639 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3300
314°	TDZE	859
	Apt Elev	859

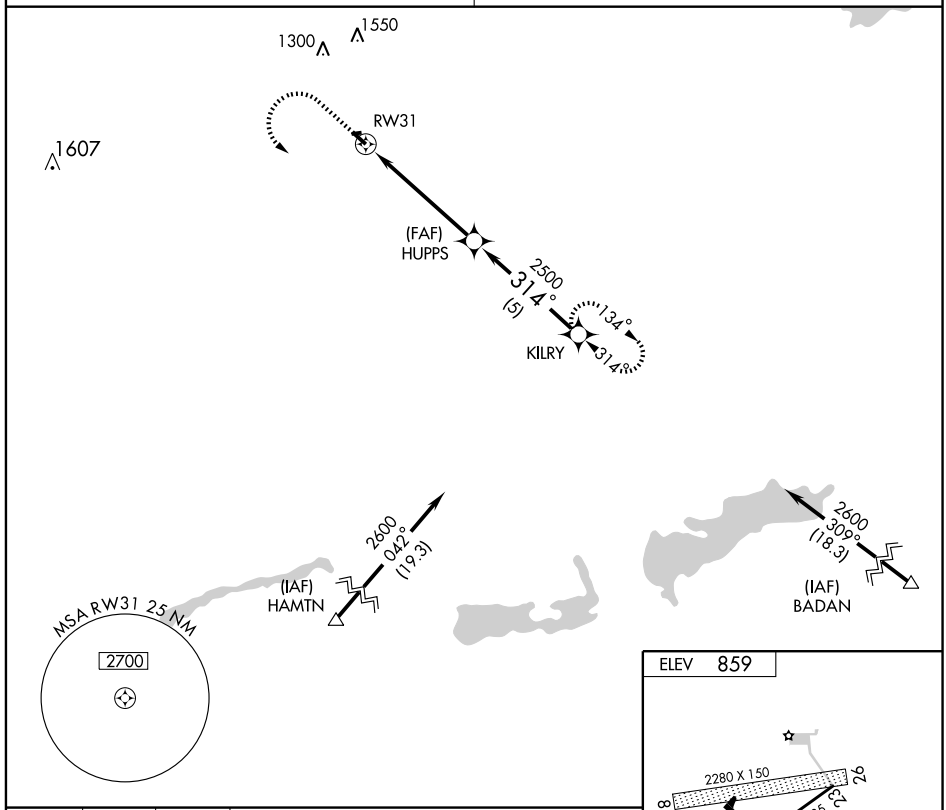
GPS RWY 31
WAUTOMA MUNI (Y50)

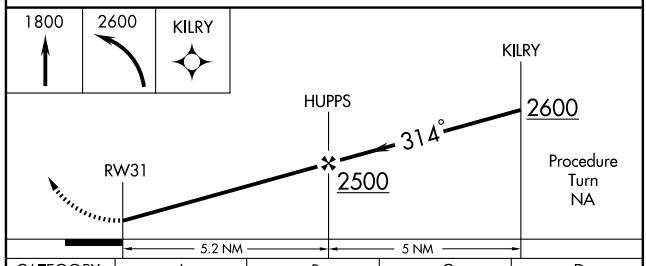
NA

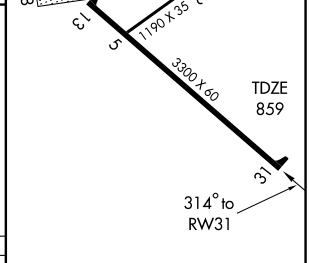
Use Stevens Point Muni altimeter setting.

MISSED APPROACH: Climb to 1800 then climbing left turn to 2600 direct KILRY WP and hold.

MILWAUKEE APP CON	UNICOM
127.0 263.075	**122.8** (CTAF) L







CATEGORY	A	B	C	D
S-31	1440-1 581 (600-1)		1440-1½ 581 (600-1½)	NA
CIRCLING	1480-1 621 (700-1)	1520-1 661 (700-1)	1520-1¾ 661 (700-1¾)	NA

MIRL Rwy 13-31 L

EC-3, 14 JAN 2010 to 11 FEB 2010

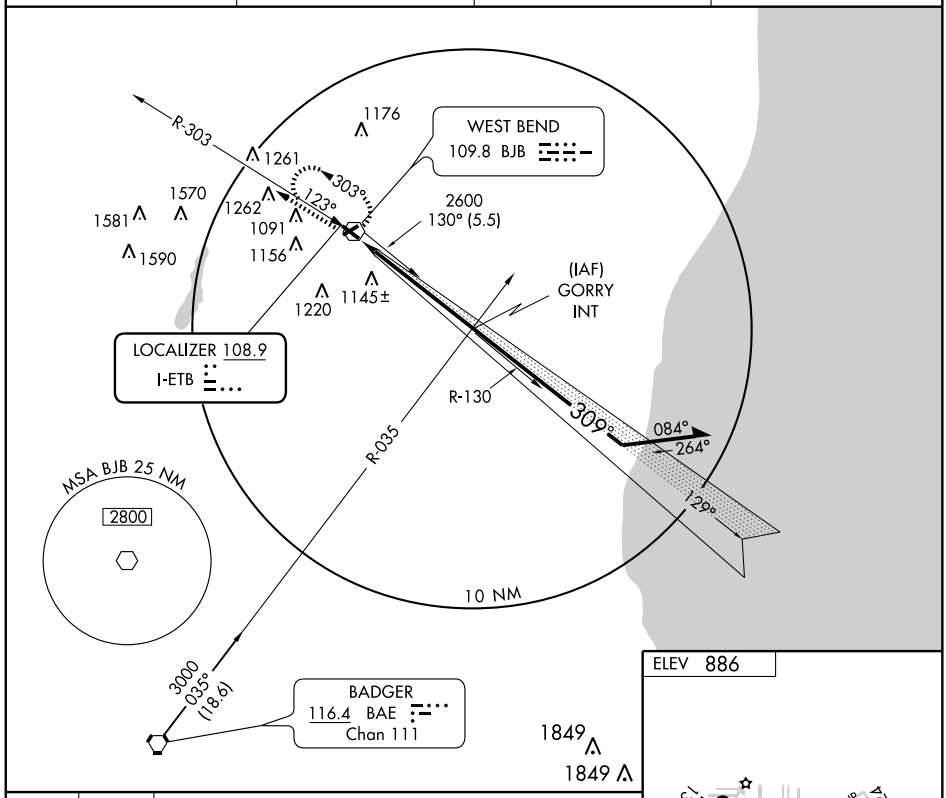
LOC I-ETB	APP CRS	Rwy ldg	4494
108.9	309°	TDZE	880
		Apt Elev	886

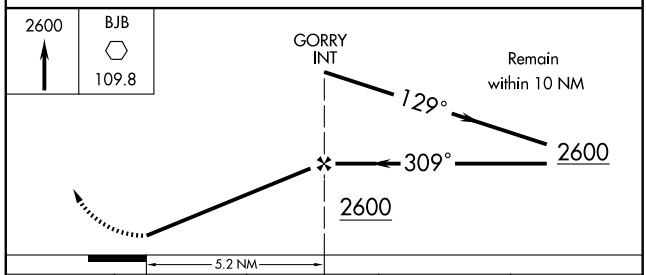
LOC RWY 31
WEST BEND MUNI (ETB)

NA

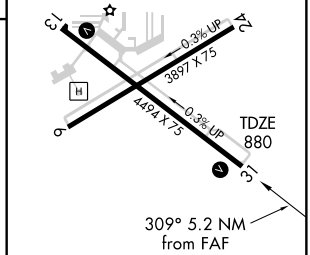
MISSED APPROACH: Climb to 2600 then direct BJB VOR and hold.

AWOS-3	MILWAUKEE APP CON	CLNC DEL	UNICOM
120.0	125.35 307.0	124.75	122.8 (CTAF) L





ELEV 886



REIL Rwys 13 and 31 L
MIRL Rwys 6-24 and 13-31 L

CATEGORY	A	B	C	D
S-31	1400-1 520 (600-1)		1400-1½ 520 (600-1½)	1400-1¾ 520 (600-1¾)
CIRCLING	1400-1 512 (600-1)	1420-1 532 (600-1)	1460-1½ 572 (600-1½)	1520-2 632 (700-2)

FAF to MAP 5.2 NM					
Knots	60	90	120	150	180
Min:Sec	5:12	3:28	2:36	2:05	1:44

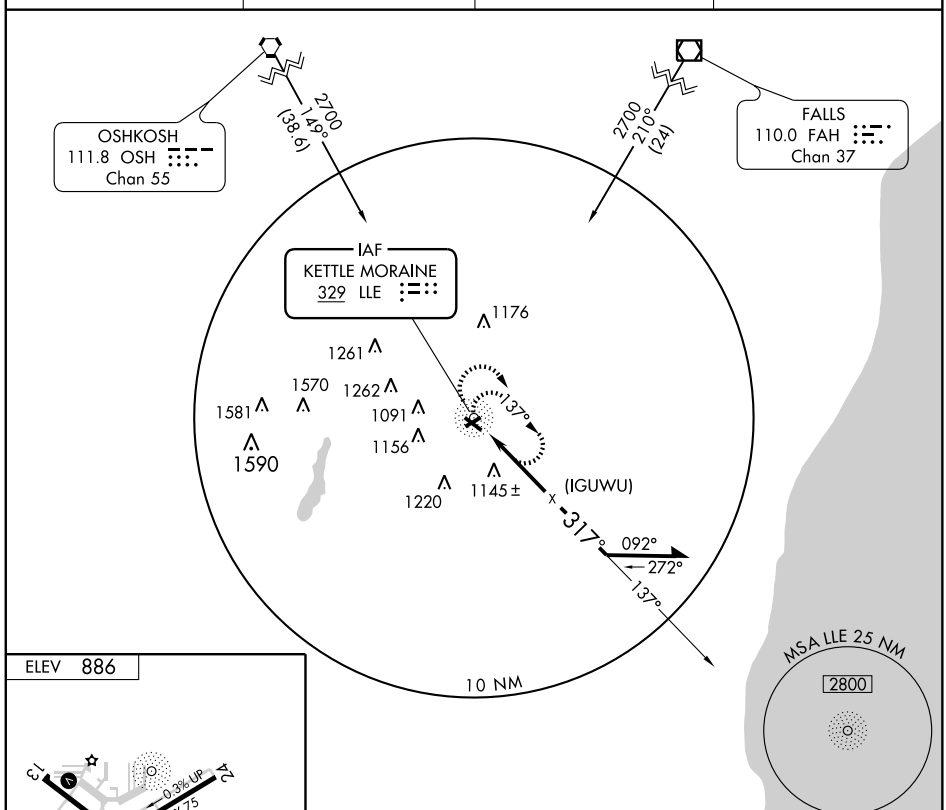
EC-3, 14 JAN 2010 to 11 FEB 2010

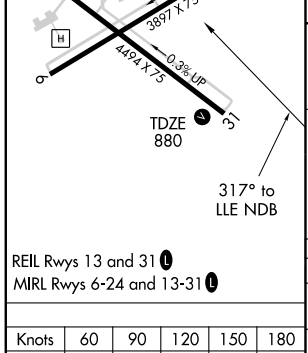
NDB LLE	APP CRS	Rwy ldg	4494
329	317°	TDZE	880
		Apt Elev	886

NDB or GPS RWY 31
WEST BEND MUNI (ETB)

MISSED APPROACH: Climbing right turn to 2600 in LLE NDB holding pattern.

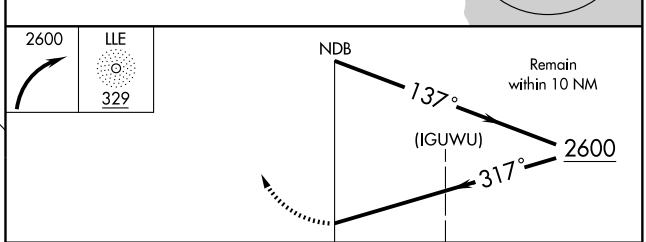
AWOS-3	MILWAUKEE APP CON	CLNC DEL	UNICOM
120.0	125.35 307.0	124.75	122.8 (CTAF) L





REIL Rwys 13 and 31 L
MIRL Rwys 6-24 and 13-31 L

Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-31	1500-1	620 (700-1)	1500-1¾ 620 (700-1¾)	1500-2 620 (700-2)
CIRCLING	1500-1	612 (700-1)	1500-1¾ 612 (700-1¾)	1520-2 632 (700-2)

EC-3, 14 JAN 2010 to 11 FEB 2010

WEST BEND, WISCONSIN

AL-5649 (FAA)

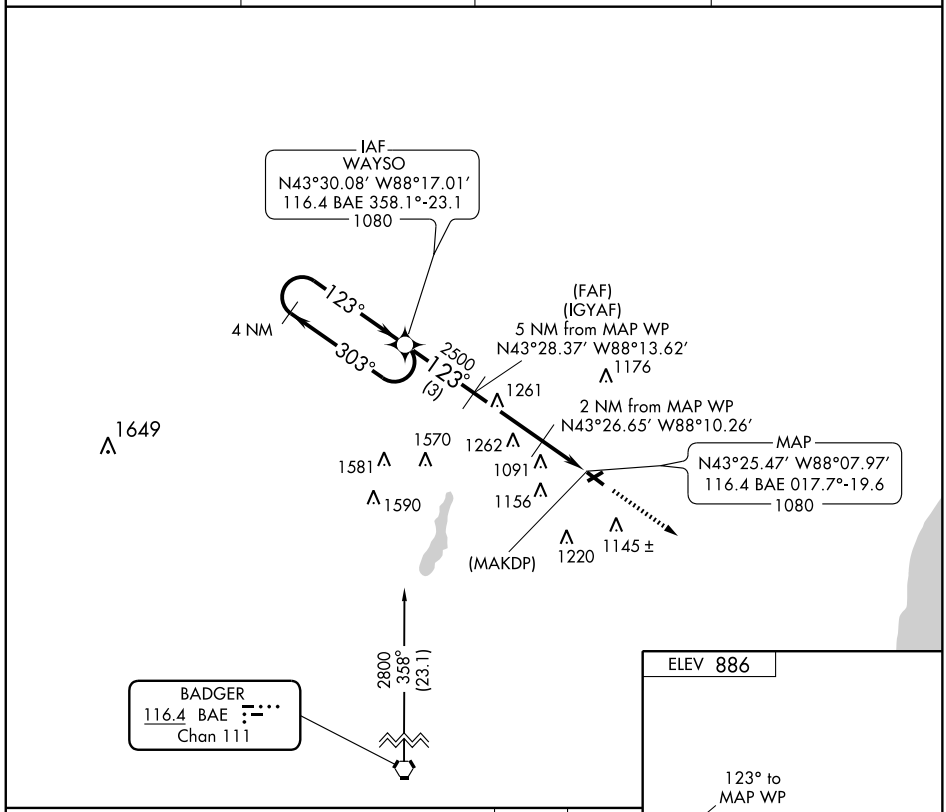
VORTAC BAE	APP CRS	Rwy ldg	4494
116.4	123°	TDZE	882
Chan 111		Apt Elev	886

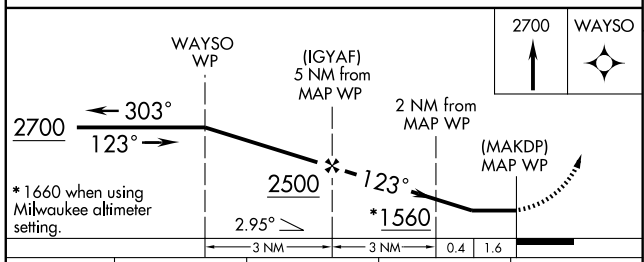
VOR/DME RNAV or GPS RWY 13

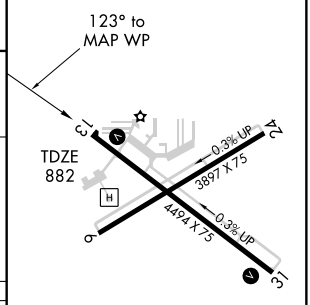
WEST BEND MUNI (ETB)

▲NA ACTIVATE MIRL Rwy 13-31-CTAF.	MISSED APPROACH: Climb to 2700 direct WAYSO WP and hold.

AWOS-3	MILWAUKEE APP CON	CLNC DEL	UNICOM
120.0	125.35 307.0	124.75	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-13	1440-1 558 (600-1)		1440-1½ 558 (600-1½)	1440-1¾ 558 (600-1¾)
CIRCLING	1440-1 552 (600-1)		1460-1½ 572 (600-1½)	1520-2 632 (700-2)

REIL Rwys 13and 31 L

MIRL Rwys 6-24 and 13-31 L

EC-3, 14 JAN 2010 to 11 FEB 2010

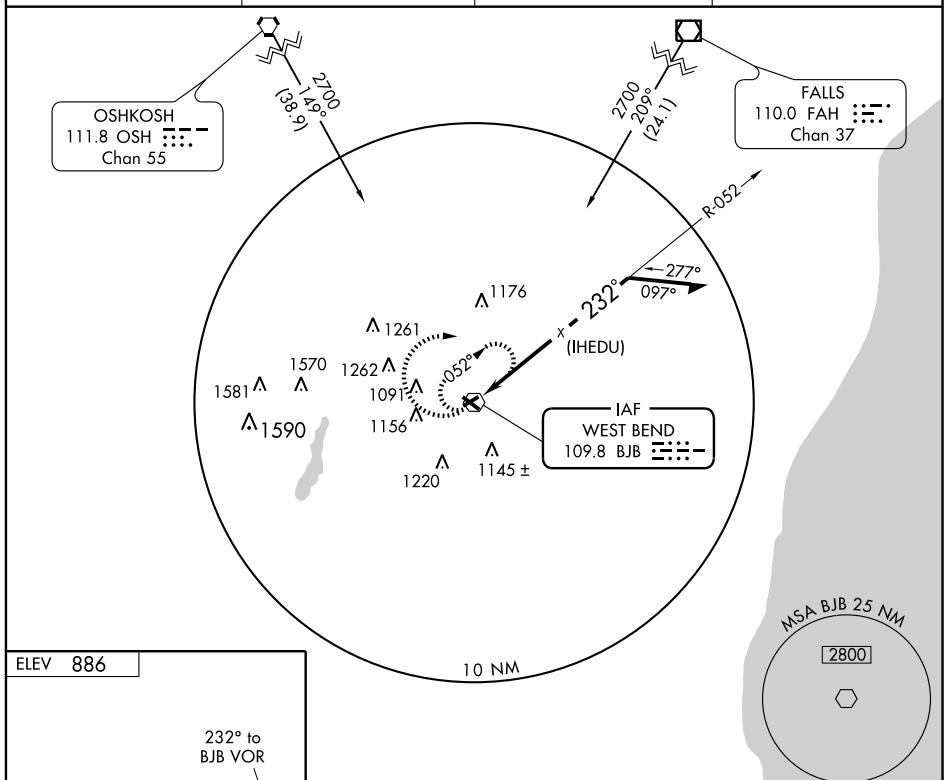
VOR BJB	APP CRS	Rwy ldg	3897
109.8	232°	TDZE	879
		Apt Elev	886

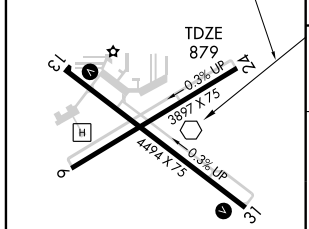
VOR or GPS RWY 24
WEST BEND MUNI (ETB)

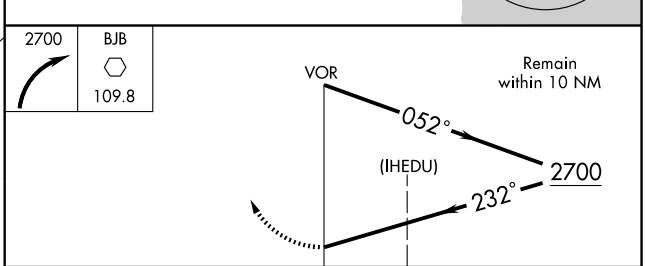
ACTIVATE MIRL Rwy 13-31-CTAF.

MISSED APPROACH: Climbing right turn to 2700 in BJB VOR holding pattern.

AWOS-3	MILWAUKEE APP CON	CLNC DEL	UNICOM
120.0	125.35 307.0	124.75	122.8 (CTAF) L







REIL Rwys 13 and 31 L
MIRL Rwys 6-24 and 13-31 L

Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-24	1380-1 501 (500-1)		1380-1½ 501 (500-1½)	
CIRCLING	1400-1 512 (600-1)	1420-1 532 (600-1)	1460-1½ 572 (600-1½)	1520-2 632 (700-2)

WEST BEND, WISCONSIN

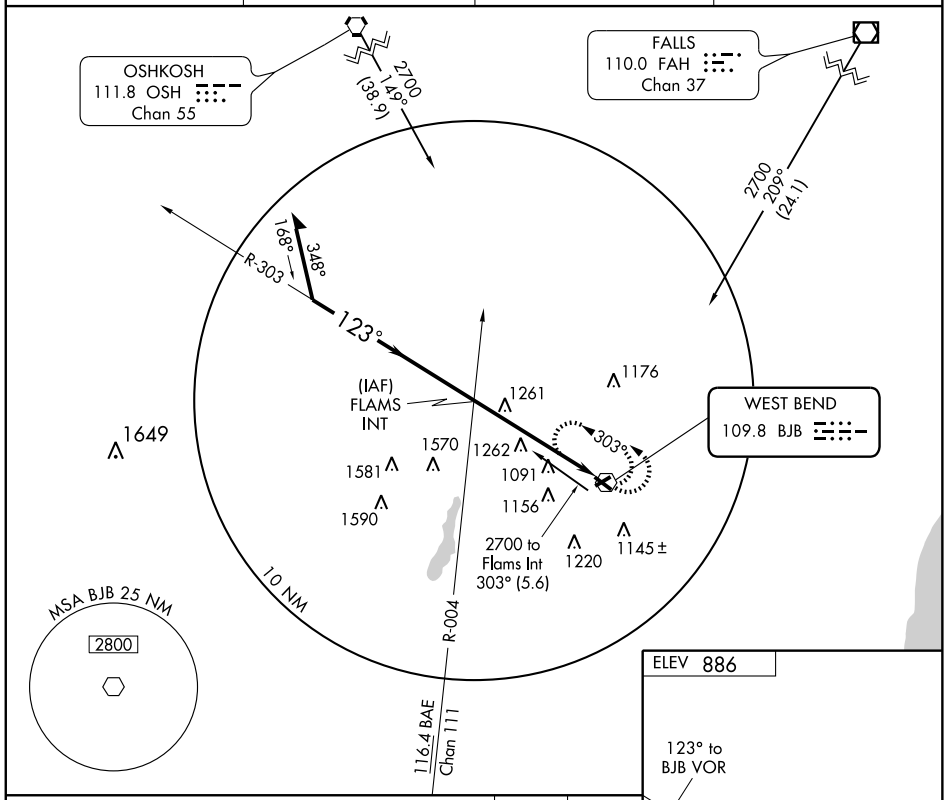
AL-5649 (FAA)

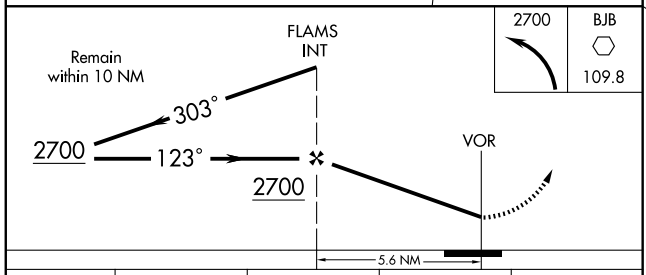
VORTAC BJB	APP CRS	Rwy ldg	4494
109.8	123°	TDZE	882
		Apt Elev	886

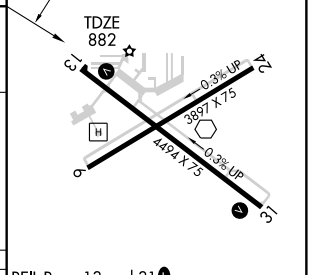
VOR RWY 13

WEST BEND MUNI (ETB)

ACTIVATE MIRL Rwy 13-31-CTAF.	MISSED APPROACH: Climbing left turn to 2700 in BJB VOR holding pattern.		
AWOS-3	MILWAUKEE APP CON	CLNC DEL	UNICOM
120.0	125.35 307.0	124.75	122.8 (CTAF) L







REIL Rwys 13 and 31 L

MIRL Rwys 6-24 and 13-31 L

CATEGORY	A	B	C	D
S-13	1540-1	658 (700-1)	1540-1¾ 658 (700-1¾)	1540-2 658 (700-2)
CIRCLING	1540-1	652 (700-1)	1540-1¾ 652 (700-1¾)	1540-2 652 (700-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5500
201°	TDZE	1021
	Apt Elev	1021

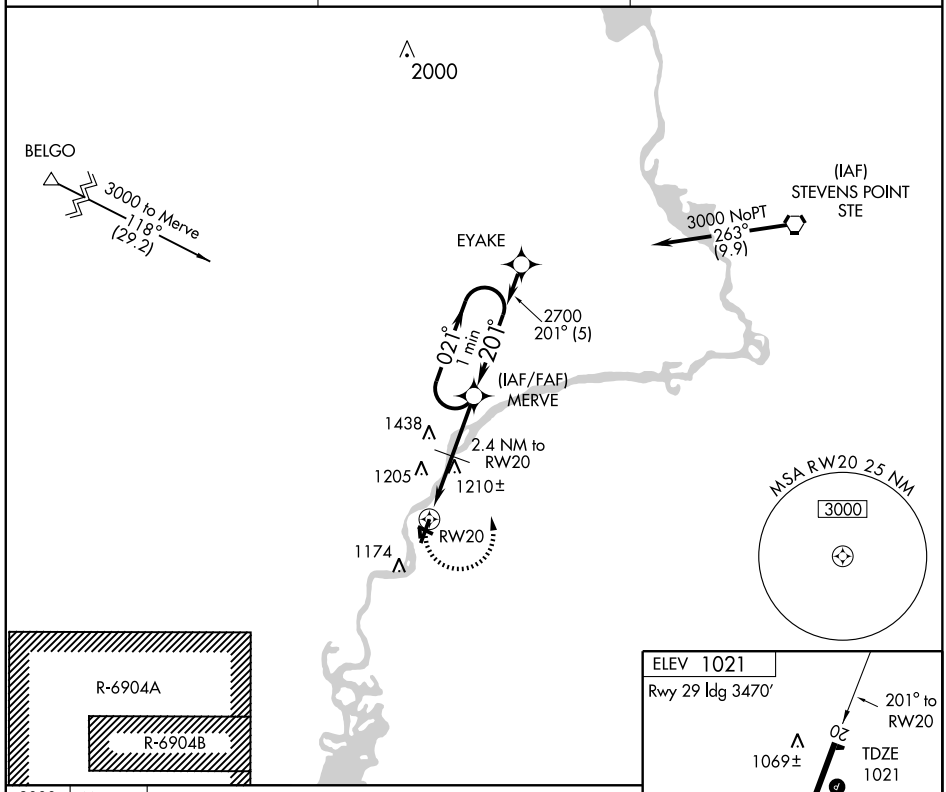
GPS RWY 20

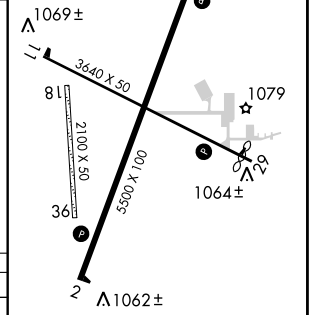
WISCONSIN RAPIDS/ALEXANDER FIELD SOUTH WOOD COUNTY (ISW)

NA

MISSED APPROACH: Climbing left turn to 3000 direct MERVE WP and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.575	124.4 317.7	122.8 (CTAF) L





REIL Rwys 2 and 20 L

MIRL Rwys 2-20 and 11-29 L

CATEGORY	A	B	C	D
S-20	1460-1	439 (500-1)	1460-1¼ 439 (500-1¼)	1460-1½ 439 (500-1½)
CIRCLING	1480-1	459 (500-1)	1520-1½ 499 (500-1½)	1620-2 599 (600-2)

LOM EK	APP CRS	Rwy ldg	5500
326	020°	TDZE	1018
		Apt Elev	1021

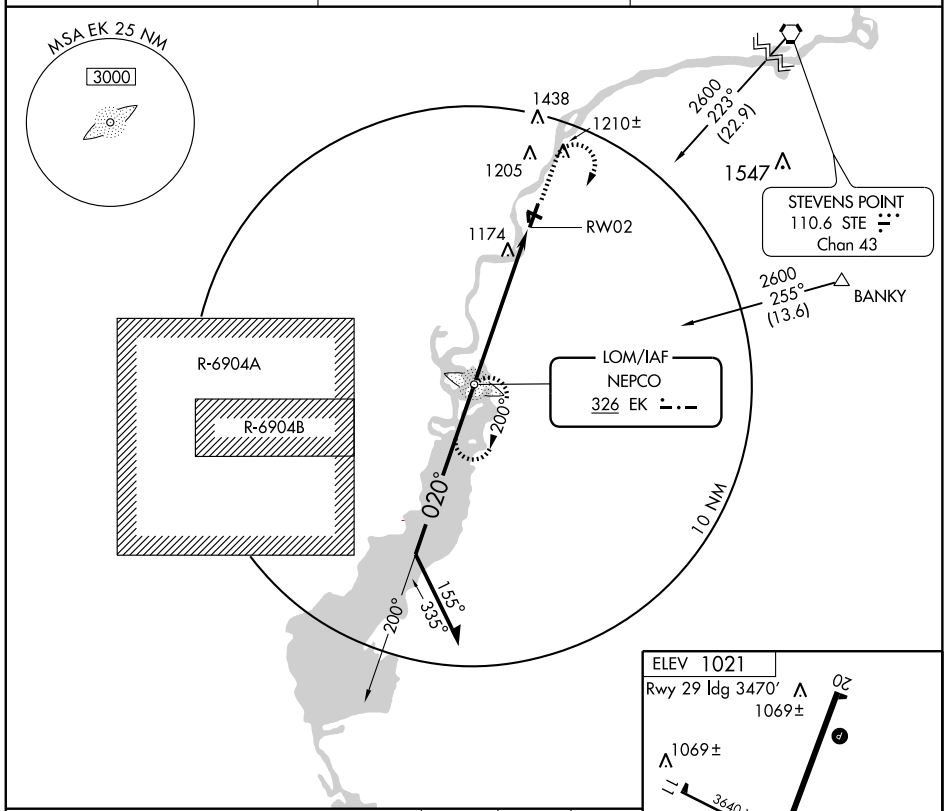
WISCONSIN RAPIDS/
ALEXANDER FIELD SOUTH WOOD COUNTY (ISW)

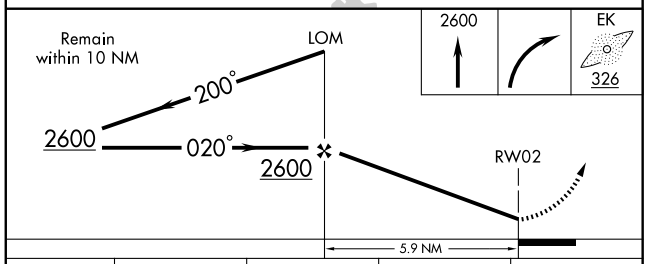
NDB or GPS RWY 2

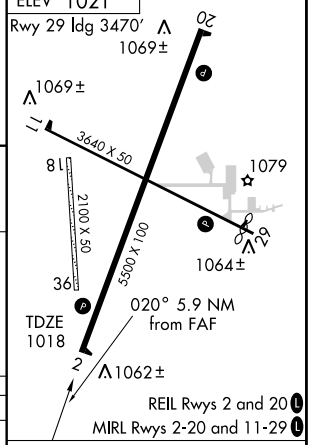
NA Procedure not authorized when R-6904 A and B active.

MISSED APPROACH: Climb to 2600 then right turn direct EK LOM and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.575	124.4 317.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-2	1480-1	462 (500-1)	1480-1¼ 462 (500-1¼)	1480-1½ 462 (500-1½)
CIRCLING	1480-1	459 (500-1)	1520-1½ 499 (500-1½)	1620-2 599 (600-2)

FAF to MAP 5.9 NM

Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

NDB ISW 215	APP CRS 305°	Rwy ldg 3470 TDZE 1019 Apt Elev 1021

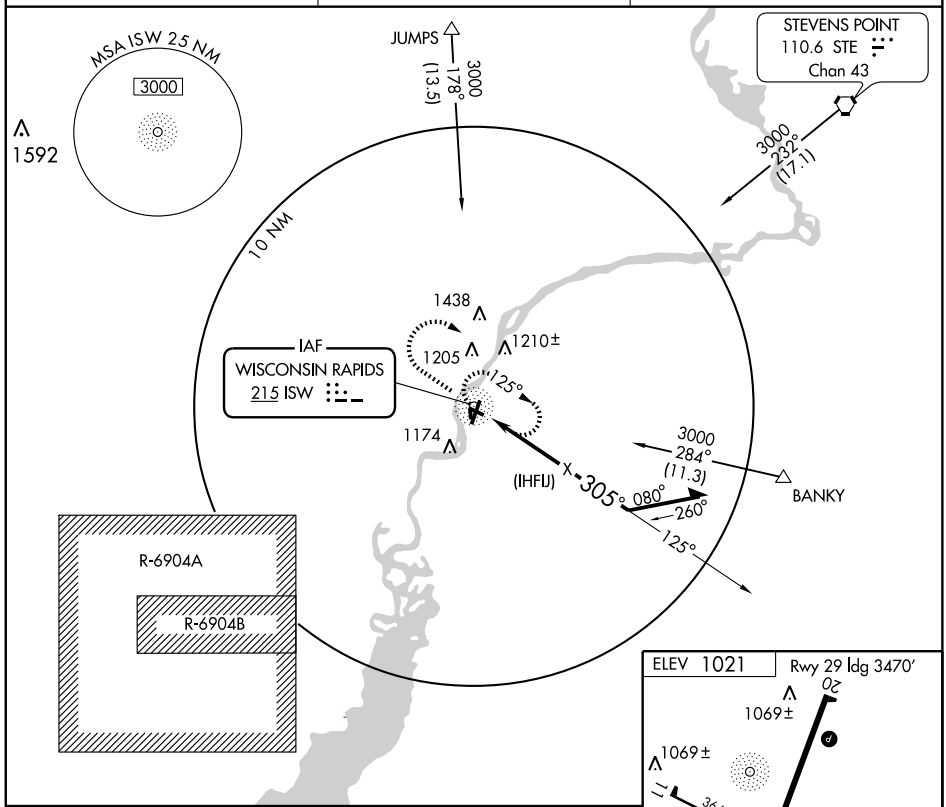
WISCONSIN RAPIDS/
ALEXANDER FIELD SOUTH WOOD COUNTY (ISW)

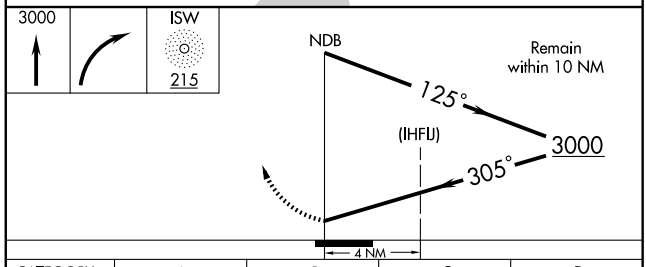
NDB or GPS RWY 29

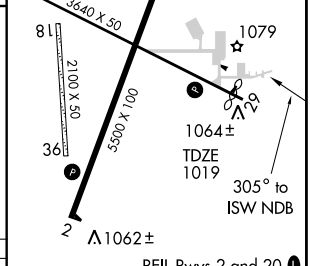
NA

MISSED APPROACH: Climb to 3000 then right turn direct ISW NDB and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.575	124.4 317.7	122.8 (CTAF) L







REIL Rwys 2 and 20 L
MIRL Rwys 2-20 and 11-29 L

CATEGORY	A	B	C	D
S-29	1620-1 601 (600-1)		1620-1¾ 601 (600-1¾)	1620-2 601 (600-2)
CIRCLING	1620-1 599 (600-1)		1620-1¾ 599 (600-1¾)	1620-2 599 (600-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3. 14 JAN 2010 to 11 FEB 2010

SDF EKP	APP CRS	Rwy ldg	5500
108.7	021°	TDZE	1018
		Apt Elev	1021

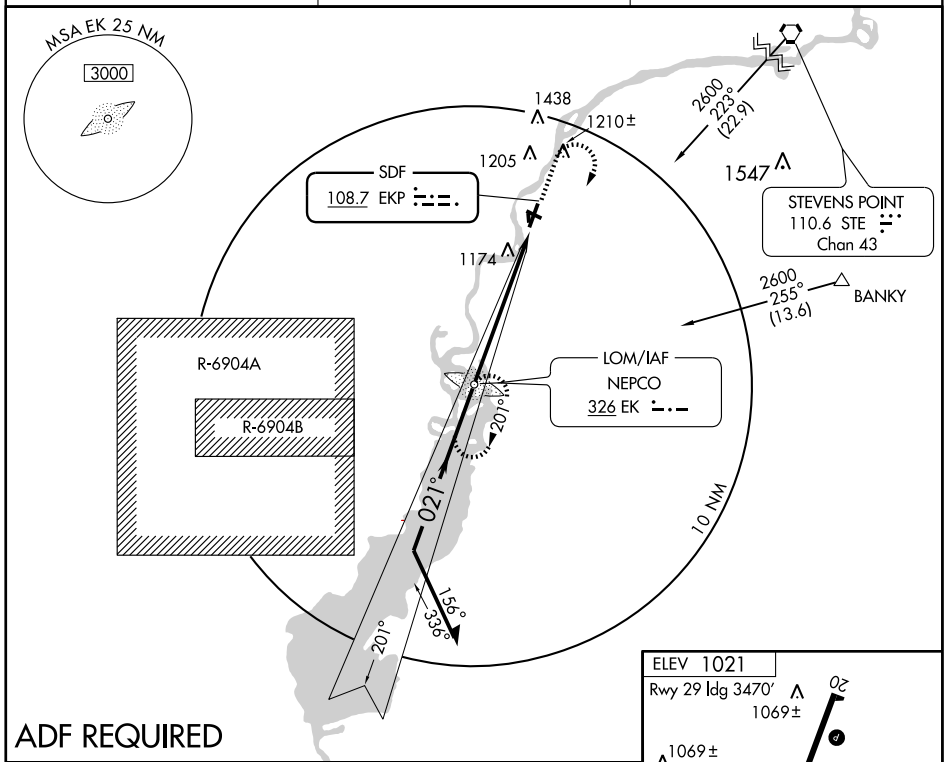
WISCONSIN RAPIDS/
ALEXANDER FIELD SOUTH WOOD COUNTY (ISW)

SDF RWY 2

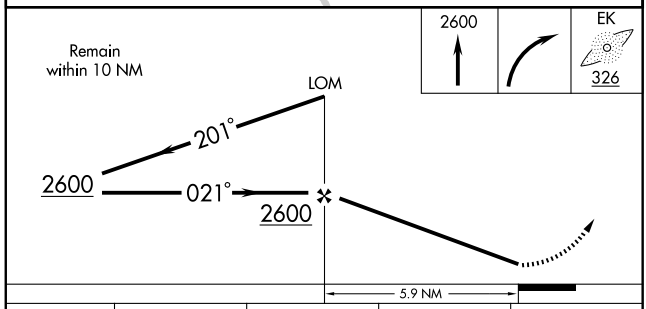
NA Procedure not authorized when R-6904 A and B active.

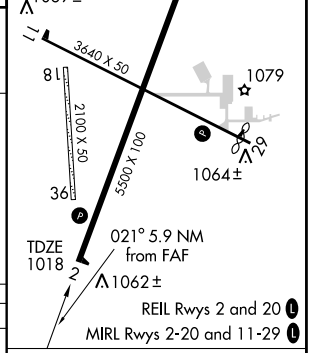
MISSED APPROACH: Climb to 2600 then right turn direct EK LOM and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.575	124.4 317.7	122.8 (CTAF) L



ADF REQUIRED





CATEGORY	A	B	C	D
S-2	1360-1 342 (400-1)			1360-1¼ 342 (400-1¼)
CIRCLING	1480-1 459 (500-1)		1520-1½ 499 (500-1½)	1620-2 599 (600-2)

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

EC-3. 14 JAN 2010 to 11 FEB 2010

WISCONSIN RAPIDS, WISCONSIN

AL-5430 (FAA)

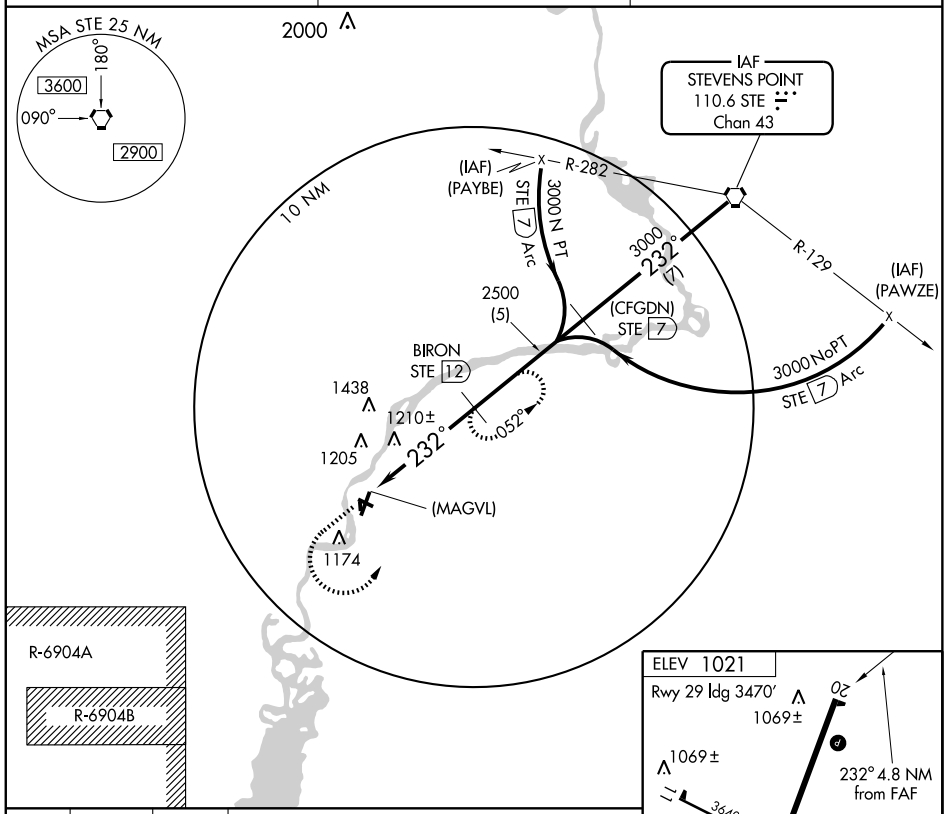
VORTAC STE	APP CRS	Rwy ldg	N/A
110.6	232°	TDZE	N/A
Chan 43		Apt Elev	1021

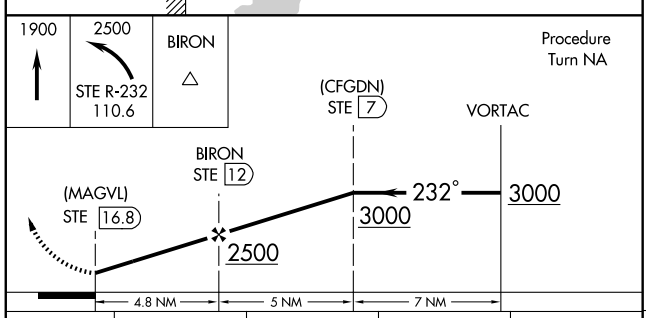
WISCONSIN RAPIDS/
ALEXANDER FIELD SOUTH WOOD COUNTY (ISW)

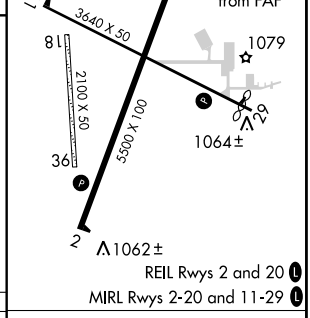
VOR/DME or GPS-A

MISSED APPROACH: Climb to 1900 then climbing left turn to 2500 via STE R-232 to BIRON and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.575	124.4 317.7	122.8 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	1580-1 559 (600-1)		1580-1½ 559 (600-1½)	1620-2 599 (600-2)

Knots	60	90	120	150	180
Min:Sec					

EC-3, 14 JAN 2010 to 11 FEB 2010